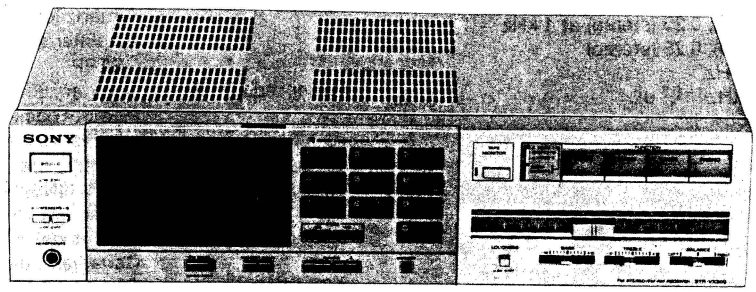
STR-VX300

SERVICE MANUAL

US Model



SPECIFICATIONS

Amplifier section

Dynamic headroom 1.4 dB ('78 IHF)
Harmonic distortion Less than 0.03% at rated output (8 ohms)
Intermodulation (IM) distortion (60 Hz : 7 kHz = 4 :1)
Less than 0.03% at rated output (8 ohms)
Frequency response PHONO : RIAA equalization curve ±0.5 dB
CD/AUX, TAPE, VIDEO -1, -2 :
10 Hz - 70 kHz $^{+0}_{-1}$ dB
Residual noise Less than 200 μV (8 ohms, network A)
Damping factor 35 (8 ohms, 1 kHz)
Inputs

	Sensitivity	Impedance	S/N (weighting network, input level)
PHONO	2.5 mV	50 kohms	74 dB 74 dB* (A, 2.5 mV)
CD/AUX TAPE VIDEO -1, -2	150 mV	50 kohms	96 dB 79 dB* (A, 150 mV)

* '78 IHF

Outputs REC OUT, VIDEO OUT :
Impedance 10 kohms
SPEAKER A, B :
Accepts speakers of 8 to 16 ohms.
HEADPHONES :
Accepts low and high impedance headphones.
Tone controls BASS
±8 dB at 100 Hz
TREBLE
±8 dB at 10 kHz
Loudness (Att. 30 dB)
+8 dB at 100 Hz
+3 dB at 10 kHz

Video section

Inputs VIDEO 1, 2 : 1 Vp-p, 75 ohms unbalanced
Outputs VIDEO 1, MONITOR VIDEO OUT : 1 Vp-p, 75 ohms unbalanced

— Continued on page 2 —

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

MICROFILM

FM STEREO/FM-AM RECEIVER

SONY®

AUD

STR-VX300

FM tuner section

Tuning range	87.5 MHz - 108 MHz
Antenna terminals	300 ohms, balanced 75 ohms, unbalanced
Intermediate frequency	10.7 MHz
Sensitivity at 50 dB quieting	17.3 dBf, 4 μV (mono) 38.3 dBf, 45 μV (stereo)
Usable sensitivity	11.2 dBf, 2 μV (IHF)
Signal-to-noise ratio	80 dB (mono), 75 dB (stereo)
Harmonic distortion	0.15% (mono), 0.25 (stereo) at 1 kHz
IM distortion	0.15% (mono), 0.25 (stereo)
Separation	45 dB at 1 kHz
Frequency response	30 Hz - 15 kHz $^{+0.5}_{-1}$ dB
Selectivity	60 dB at 400 kHz
Capture ratio	1.0 dB
AM suppression ratio	54 dB
Image response ratio	45 dB
IF response ratio	90 dB
Spurious response ratio	70 dB
RF intermodulation	65 dB (IHF)
Auto-tuning threshold	Approx. 30 dBf

AM tuner section

Tuning range	530 - 1,610 kHz (with the AM channel plan selector set at 10 kHz) 522 - 1,602 kHz (with the AM channel plan selector set at 9 kHz)
Antenna	Ferrite-bar antenna External antenna terminal
Intermediate frequency	450 kHz
Usable sensitivity	50 dB/m, ferrite-bar antenna (at 1,000 kHz) 100 μV, external antenna (at 1,000 kHz)
Signal-to-noise ratio	54 dB (at 50 mV/m)
Harmonic distortion	0.3% (at 50 mV/m, 400 Hz)
Selectivity	40 dB (10 kHz)

General

System	Tuner section : Super heterodyne PLL quartz-locked digital synthesizer system Amplifier section : Quasicomplementary SEPP
Power requirements	120 V ac, 60 Hz Memory back-up power : 3 V dc, two batteries, size AA (IEC designation R6) Battery life : approx. 1 year with Sony SUM-3(NS) New Super batteries (or Eveready Heavy Duty batteries No. 1215)
Power consumption	USA model : 80 watts Canadian model : 120 watts
AC outlets	One switched (100 watts) One unswitched (100 watts)
Dimensions	Approx. 430 × 105 × 305 mm (w/h/d) (17 × 4 1/4 × 12 1/8 inches) including projecting parts and controls
Weight	Approx. 5.9 kg (13 lbs) net Approx. 7.2 kg (15 lbs 14 oz) in shipping carton

FEATURES

The STR-VX300 is a combined receiver and audio/video control center. Its Direct Access Tuning system makes tuning easier than ever. The receiver employs a quartz-lock digital synthesizer in its state-of-the-art tuner section and a medium-high power output amplifier section which can be used in your home audio-video system.

- Phono amplifier stage, which employs an IC, is carefully designed to improve dynamic range and signal-to-noise ratio.
- The quartz-lock digital synthesizer system with a sophisticated Phase Locked Loop (PLL) circuit allows extremely precise tuning of FM and AM stations with an electronic digital readout on the frequency display.

A new IC recently developed by Sony allows a high comparison frequency thus eliminating the tendency for a low comparison frequency, which had been previously generally employed, to slip into the audio range and degrade the signal-to-noise ratio.

- Video tapes can be copied from the video cassette recorder connected to the VIDEO 2 jacks to the video cassette recorder connected to the VIDEO 1 jacks. While video tapes are being copied, other program sources can be enjoyed.
- When copying video tapes, sound can be added to the video tape from another program source (Compact Disc, cassette tape, record, etc.).
- Five methods of tuning are available :

Direct access tuning : FM or AM stations can be directly tuned in by inputting the station frequency with the DIRECT ACCESS TUNING buttons.

Automatic tuning : the FM band is scanned automatically until a signal is received.

Manual tuning : AM tuning can be accomplished either by changing the frequency display reading step by step or slowly to monitor the frequency.

Memory preset tuning : a desired memorized station can be instantly received by pressing the PRESET TUNING button.

Memory scan tuning : the FM or AM stations memorized in the PRESET TUNING buttons are scanned to quickly locate the desired station.

- The memorized stations are retained in memory by two backup batteries when the power is turned off. These back-up batteries also allow the last station tuned in to be held in memory.

SAFETY CHECK-OUT (US Model)

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

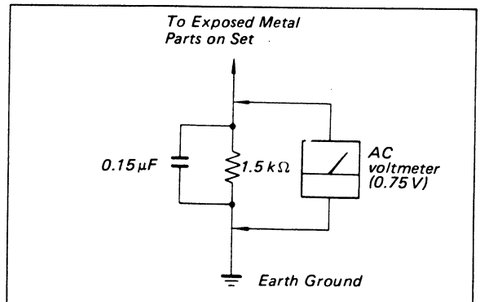
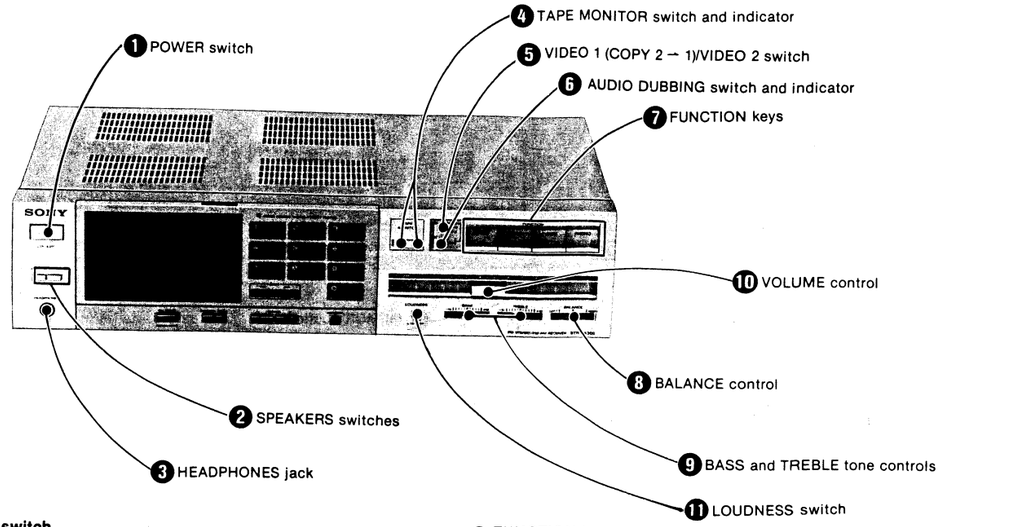


Fig. A. Using an AC voltmeter to check AC leakage.

LOCATION AND FUNCTION OF CONTROLS

Before plugging in or attempting to operate this receiver,
it is suggested that you familiarize yourself with all its switches and the purpose of each.
Each number in the photo is keyed to the descriptive text.

Amplifier section


1 POWER switch
2 SPEAKERS switches
3 HEADPHONES jack
4 TAPE MONITOR switch and indicator
5 VIDEO 1 (COPY 2 → 1)/VIDEO 2 switch
6 AUDIO DUBBING switch and indicator
7 FUNCTION keys
8 BALANCE control
9 BASS and TREBLE tone controls
10 VOLUME control
11 LOUDNESS switch

❶ POWER switch
Depress to turn on the power. To turn the power off, press the switch again.

❷ SPEAKERS switches
To drive speaker system A, depress the A switch.
To drive speaker system B, depress the B switch.
To drive both speaker systems A and B, depress both A and B switches.

❸ HEADPHONES jack
Accepts any low or high impedance stereo headphones.
For headphone monitoring only, keep the SPEAKERS switches OFF.

❹ TAPE MONITOR switch and indicator
To listen to a taped program, depress the switch. The indicator will light up, indicating that a playback output from the tape recorder connected to the TAPE jacks can be heard.

❺ VIDEO 1 (COPY 2 → 1)/VIDEO 2 switch
When you want to play video cassettes, select the video cassette recorder to be used for playback.
If you have two video cassette recorders, copying from video cassette recorder 2 to video cassette recorder 1 is possible with this switch released.

❻ AUDIO DUBBING switch and indicator
Depress this switch to add the sound selected by the FUNCTION key or the TAPE MONITOR switch to the video tape while copying from video cassette recorder 2 to video cassette recorder 1. When this switch is set to ON, the indicator lights.

❼ FUNCTION keys
Press one of these keys to select a desired program source other than a taped program.
PHONO: For record programs (connected to PHONO inputs)
TUNER: To call back the last received station.
CD/AUX: For compact disc program or auxiliary programs (connected to CD/AUX inputs)
VIDEO: For video programs (connected to VIDEO inputs)

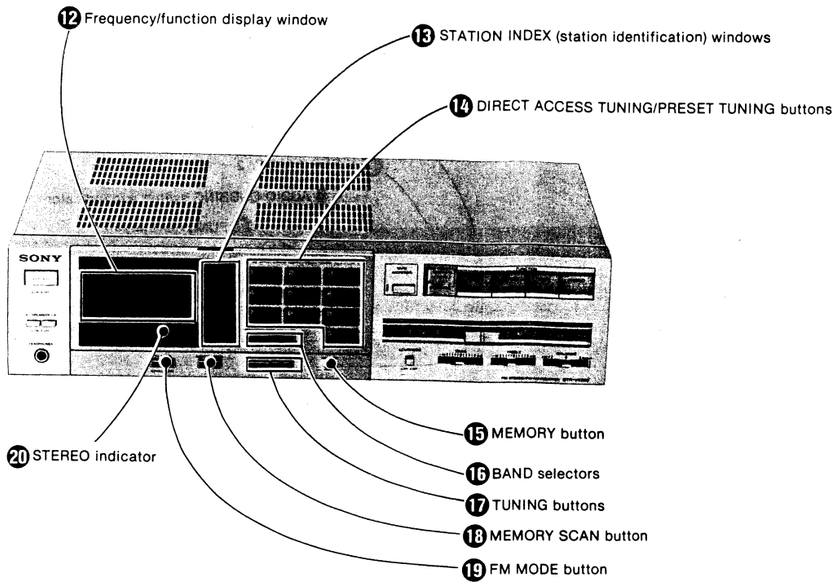
❽ BALANCE control
Governs the amount of sound coming from each paired speaker to get optimum stereo effect. When you slide the BALANCE control to the right, the left channel volume is decreased, and vice versa.

❾ BASS and TREBLE tone controls
These levers control the prominence of bass and treble response. Sliding to the right increases response; sliding to the left decreases it. Normally keep these at the "center" position.
Adjust the tone to the acoustic condition of the listening room or to your preference.

❿ VOLUME control
Regulates the overall sound level.
Slide to the right to increase the sound level and to the left to decrease it.
Be sure to lower the volume whenever you turn the receiver on or off.

⓫ LOUDNESS switch
Normally keep the switch released (⊓ OFF). When listening to program sources at a low VOLUME control setting, depress the switch (⊓ ON).
This loudness control compensates for the human ear's decreased response to very low frequency sound at low volume levels, and provides an apparently uniform response. The effect of this control gradually decreases as the volume is increased by the VOLUME control.

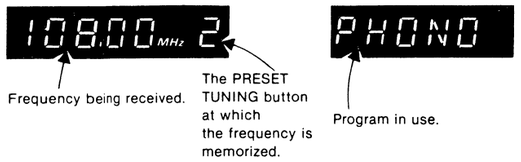
Tuner section


⑫ Frequency/function display window
⑬ STATION INDEX (station identification) windows
⑭ DIRECT ACCESS TUNING/PRESET TUNING buttons
⑮ MEMORY button
⑯ BAND selectors
⑰ TUNING buttons
⑱ MEMORY SCAN button
⑲ FM MODE button
⑳ STEREO indicator

⑫ Frequency/function display window

During broadcast reception

During reproduction of record source, video or auxiliary input source



⑬ STATION INDEX (station identification) windows
Station labels (supplied) identifying memorized stations can be placed in these windows.

⑭ DIRECT ACCESS TUNING/PRESET TUNING buttons
Press the button according to the following desired purposes. The pressed figures will be displayed on the frequency/function display window.
Direct access tuning
To tune in the frequency directly, press the BAND selector and the DIRECT ACCESS TUNING buttons.
Memory tuning
To call up a memorized station, press the appropriate button.

⑮ MEMORY button
Press to operate memory circuit. The "–" indicator will appear on the frequency/function display window for a few seconds indicating that the memory circuit is standing by.

⑯ BAND selectors
Press the appropriate selector to select the desired band: FM or AM.

⑰ TUNING buttons
Press either the "+" or "–" button to change the frequency: Press the "–" button to go to a lower frequency and the "+" button to go to a higher.
During FM reception:
Press to start the automatic frequency scanning.
During AM reception:
Press and keep the button depressed to change the frequency continuously in 10 kHz steps (or 9 kHz steps). To change the frequency rapidly, press and release the button immediately.

⑱ MEMORY SCAN button
Press for automatic scanning of the stations memorized on the PRESET TUNING button.

⑲ FM MODE button
During FM reception, when a stereo signal of sufficient strength is received, the receiver operates in the stereo mode. (The STEREO indicator will illuminate.)
When you want to tune in a very weak FM station, or when an FM program is too noisy, press this switch. (The STEREO indicator illumination will go out.) Press it again to return to the stereo mode. The mode will automatically return to the stereo mode when the frequency is changed.

⑳ STEREO indicator
This indicator will light when an FM stereo program of sufficient signal strength is tuned in.

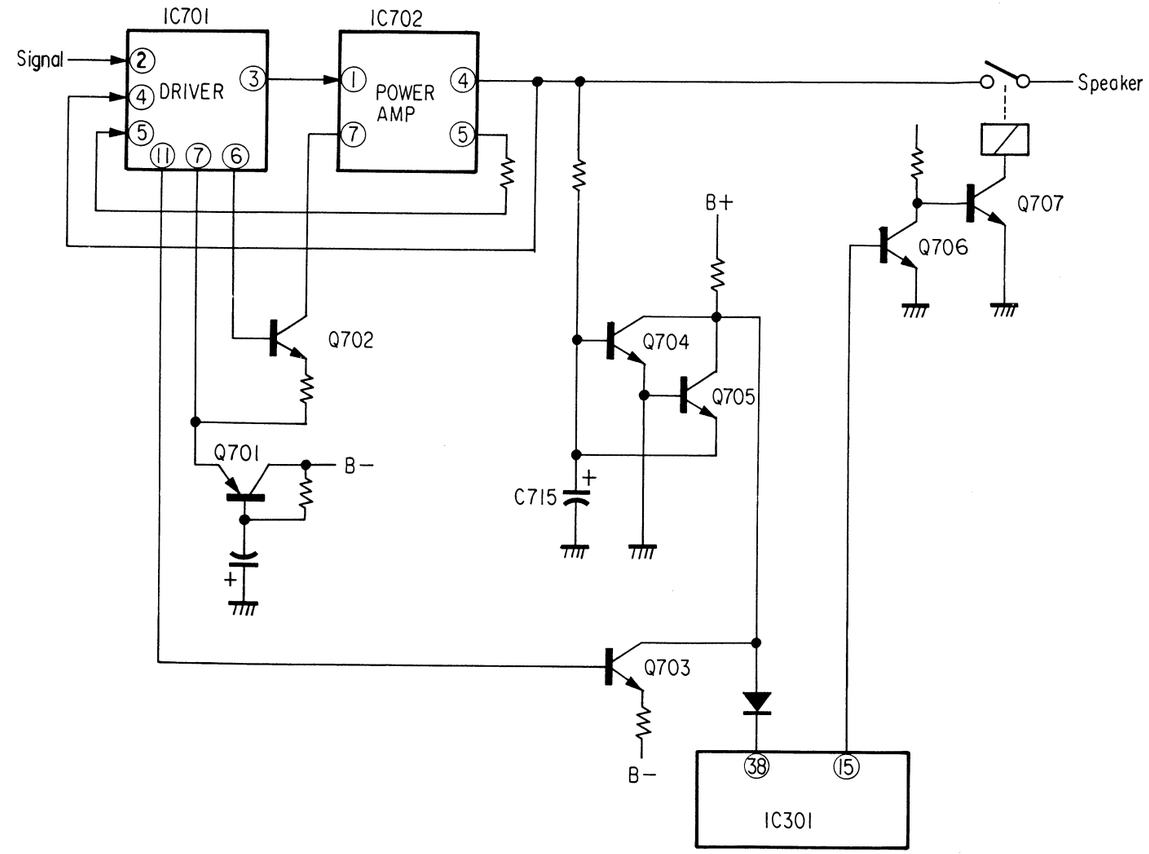
During POWER ON

Positive voltage is output momentarily from IC701 pin 7 and turns on Q701. When Q701 goes on, its collector potential becomes negative. Therefore Q702 goes on and IC702 pin 7 becomes negative. Therefore IC702 goes on and operates as a power amp.

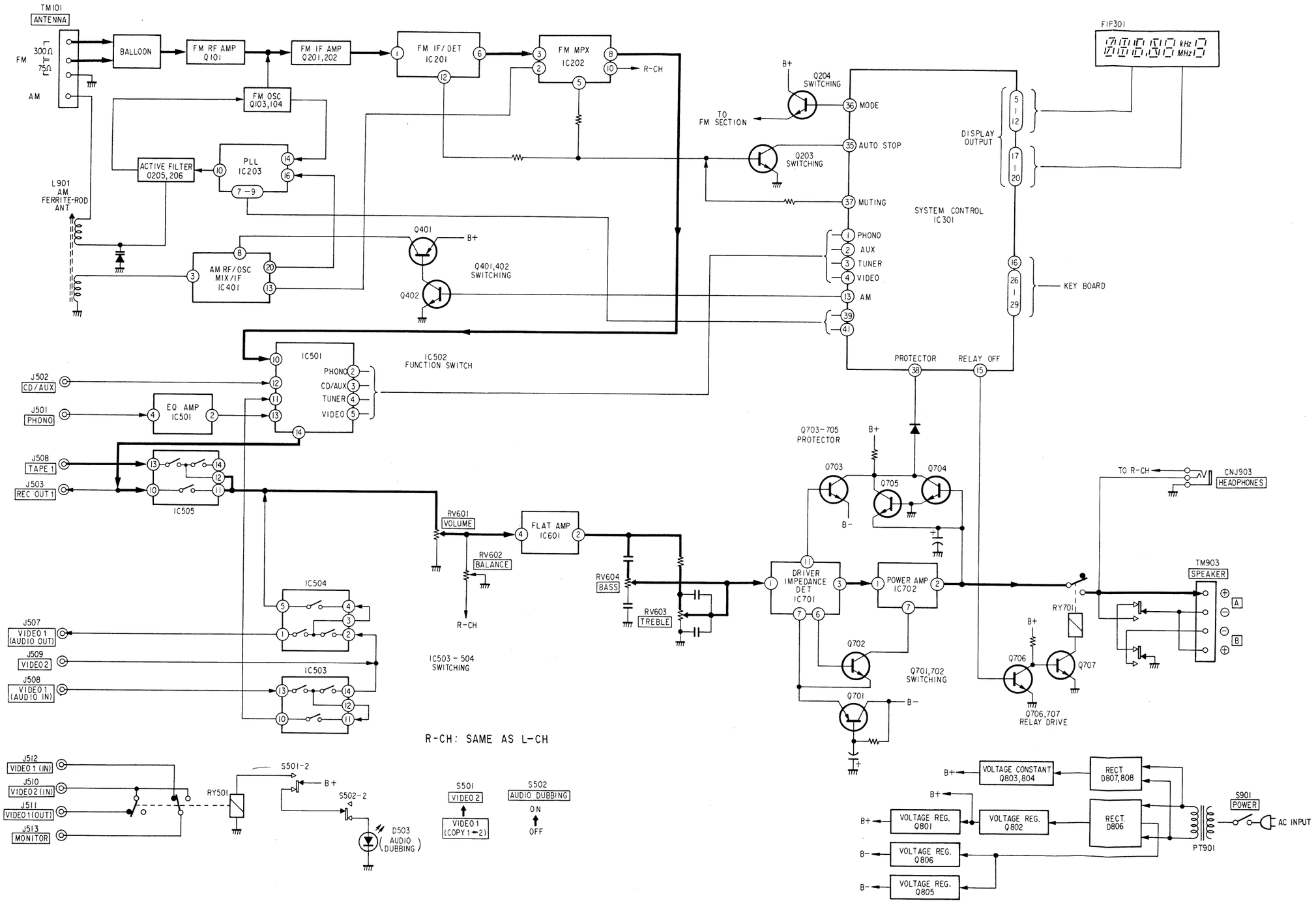
Protection Circuit
Excessive Current Detection
IC301 is a microcomputer and detects excessive current and DC element at pin 38.
When this pin goes low, pin 15 goes high and turns relay off. IC702 is a power amp, and pins 4, 5 output is fed back to IC701 pins 4, 5.

When excessive current flows, IC701 pin 11 is grounded, so Q703 turns on. Therefore IC301 pin 38 goes low, making pin 15 high, and Q706 goes on, Q707 goes off, and relay is turned off.

DC Element Detection
When DC element is output from IC704 pin 4, and (for positive element) C715 charging voltage goes over 0.6V, Q704 turns on. When Q704 turns on, IC301 pin 8 goes low. For negative element, negative voltage is applied to Q705 emitter, so Q705 goes on. This causes IC301 pin 8 to go low. Then pin 15 goes high, Q706 turns on Q707 goes off, and relay is turned off.

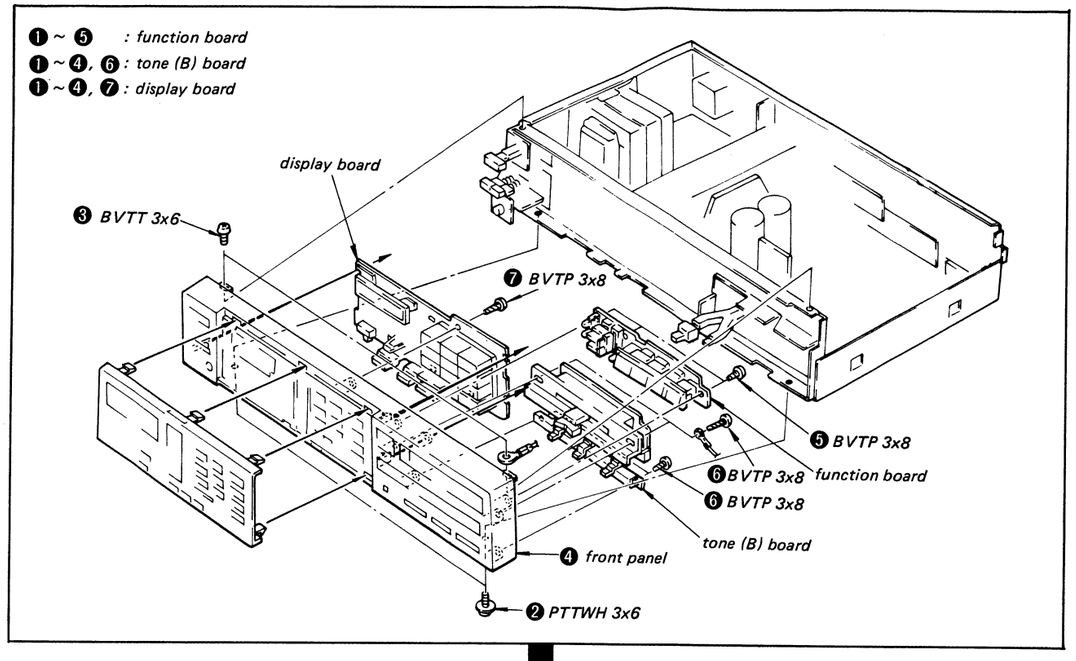


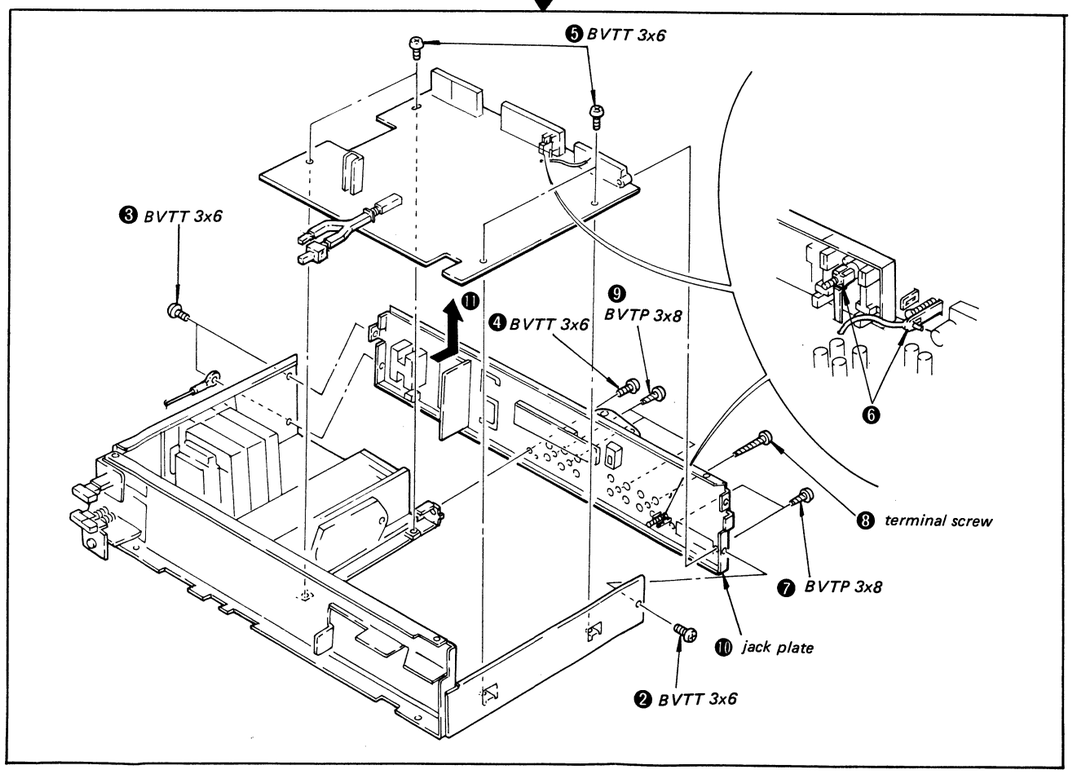
1. BLOCK DIAGRAMS



SECTION 2
DISASSEMBLY

- Follow the disassembly procedure in the numerical order given.





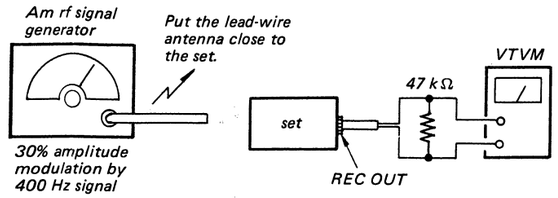
SECTION 3
ADJUSTMENTS

AM SECTION

- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

AM TRACKING ADJUSTMENT

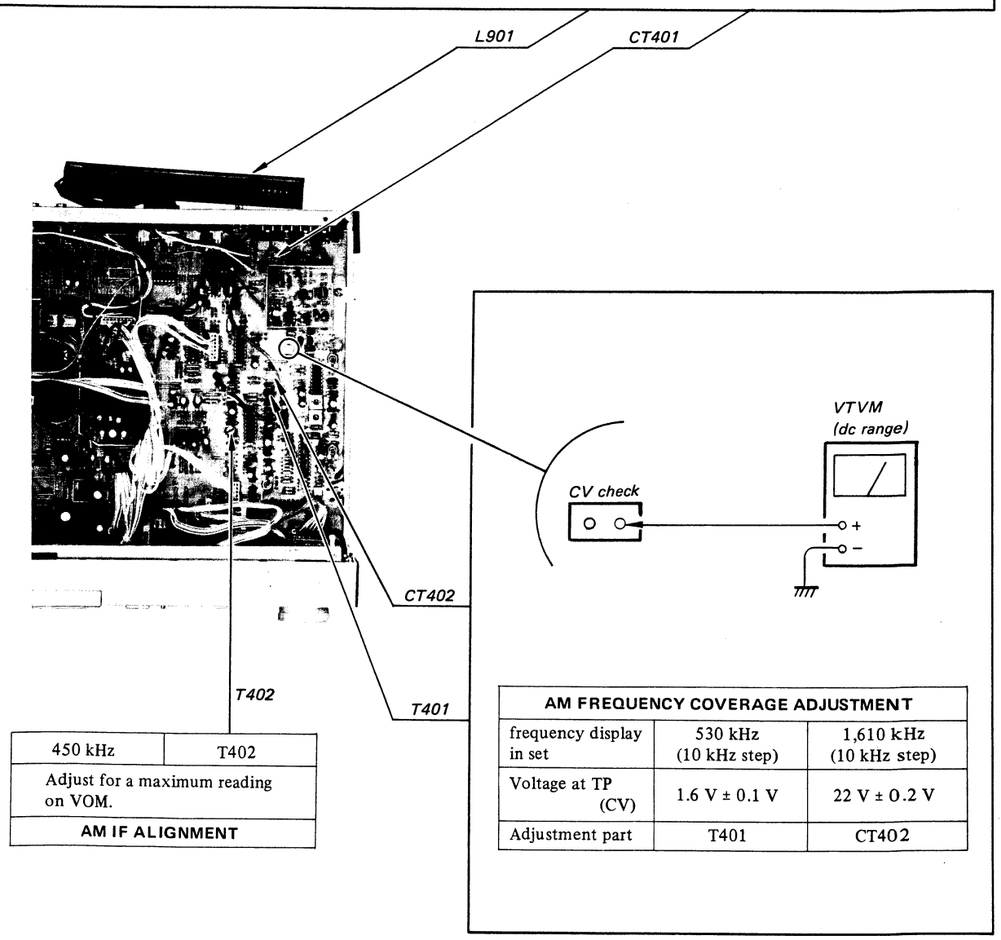
Setting:



Procedure:

1. Tune the set to the SG signal.
2. Adjust for a maximum reading on VTVM.

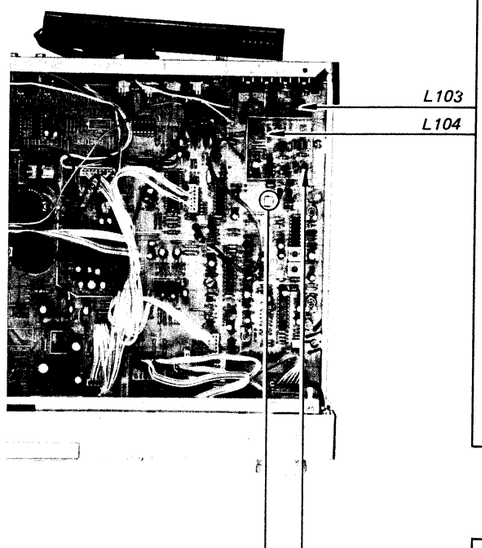
	SG and set frequency	Adjustment parts	Reading on VTVM
1.	600 kHz	core of L901	Maximum
2.	1,400 kHz	CT401	



450 kHz	T402
Adjust for a maximum reading on VOM.	
AM IF ALIGNMENT	

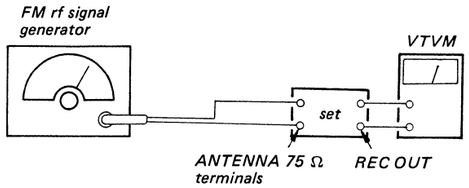
AM FREQUENCY COVERAGE ADJUSTMENT		
frequency display in set	530 kHz (10 kHz step)	1,610 kHz (10 kHz step)
Voltage at TP (CV)	1.6 V ± 0.1 V	22 V ± 0.2 V
Adjustment part	T401	CT402

FM SECTION



FM TRACKING ADJUSTMENT

Setting:

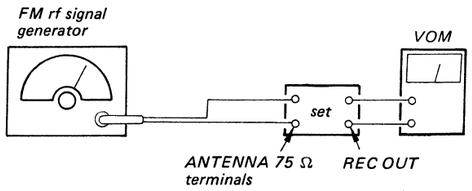


Carrier frequency: *98 MHz*
Modulation: *400 Hz, 75 kHz deviation (100%)*
Output level: *2.2~4μV (7~12 dB)*

1. Adjust L102, 104 for maximum reading on meter.

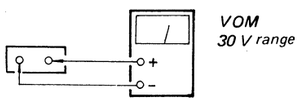
FM FREQUENCY COVER ADJUSTMENT

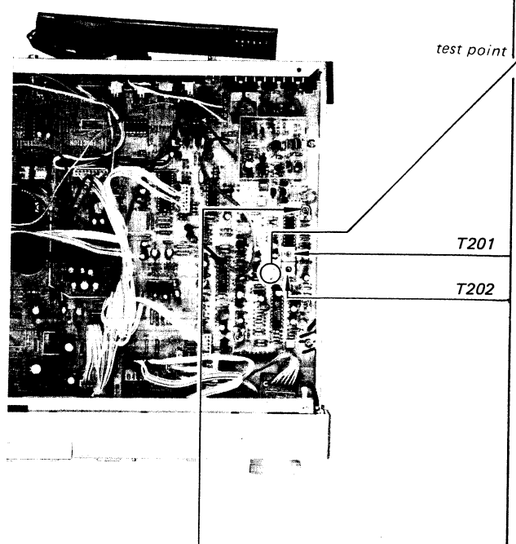
Setting:



Carrier frequency: *108 MHz*
Modulation: *400 Hz, 75 kHz deviation (100%)*
Output level: *1mV (60 dB)*

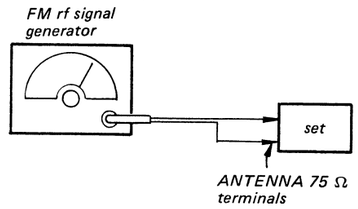
1. Adjust L105 so that VOM reads 21V.
2. After the adjustment, set FM rf signal generator frequency to 87.5 MHz.
   Confirm that VOM reads 3.1V±0.5V.





Scan Stop Adjustment

Setting:



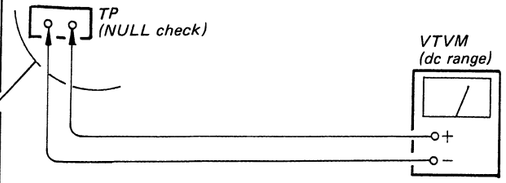
Procedure:

Carrier frequency: *98 MHz*
Modulation: *400 Hz, 75 kHz deviation (100%)*
Output level: *14μV (18 dB)*

1. Tune the set to 98 MHz by pressing the TUNING buttons.
2. Adjust RT201 so that the STEREO lamp goes on.

FM Discriminator Alignment 1

Setting:



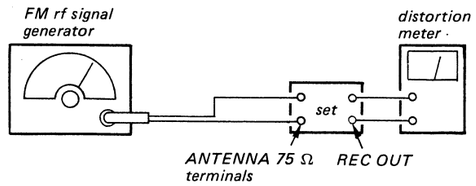
Procedure:

1. Tune the set in the strong station-signal.
2. Adjust the black core (primary-side) of T201 for 0 V reading on VOM.

Note: When replacing the ceramic filter, perform this alignment.

FM Discriminator Alignment 2

Setting:



Carrier frequency: *98 MHz*
Modulation: *400 Hz, 75 kHz deviation (100%)*
Output level: *10μV (20 dB)*

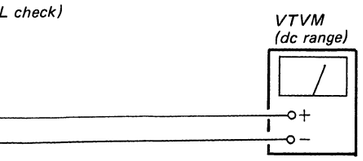
Procedure:

Adjust the white core (secondary side) of T202 for minimum distortion.

Note: When replacing the ceramic filter, perform this alignment.
Repeat the secondary-sice and primary-side alignments several times.

ator Alignment 1

L check)

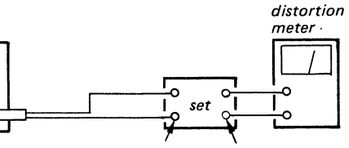


e set in the strong station-signal.

the black core (primary-side) of T201
reading on VOM.

placing the ceramic filter, perform this align-

ator Alignment 2

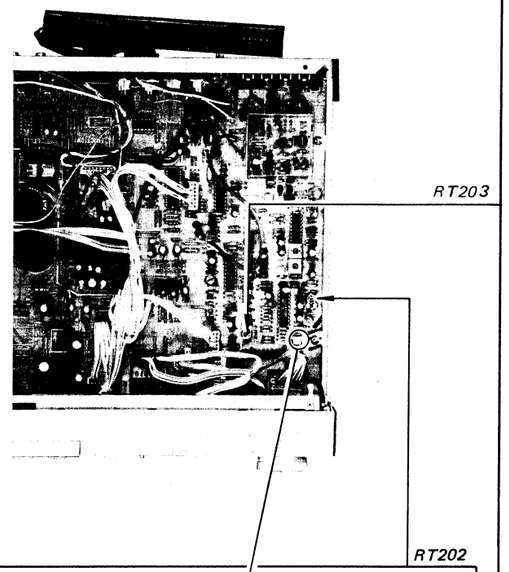


cy: 98 MHz
400 Hz, 75 kHz deviation
(100%)
10μV (20 dB)

he white core (secondary side) of T202
distortion.

placing the ceramic filter, perform this align-

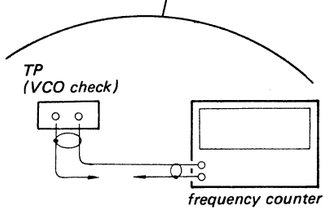
he secondary-sice and primary-side alignments
mes.

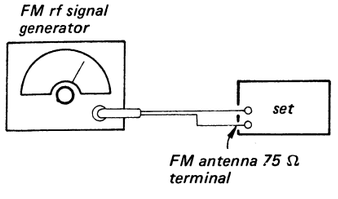


VCO Adjustment

A) Regular Method

Procedure:



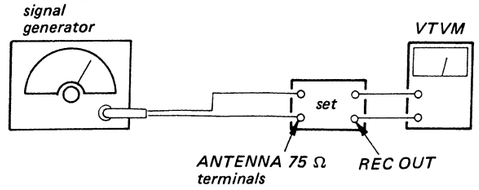


Carrier frequency: 98 MHz
Modulation: no modulation
Output level: 1 mV (60 dB)

1. Tune the set to 98 MHz.
2. Adjust RT202 for 19 kHz ± 20 Hz on the counter.

FM Stereo Separation Adjustment

Procedures:



Carrier frequency: 98 MHz
Output level: 1 mV (60 dB)
Modulation
Audio 400 Hz: 33.75 kHz deviation (45%)
Sub channel 38 kHz: 33.75 kHz deviation (45%)
Pilot signal 19 kHz: 7.5 kHz deviation (10%)

FM stereo signal generator output channel	VTVM connection	VTVM reading (dB)
L-CH	L-CH	Ⓐ
R-CH	L-CH	Ⓑ Adjust RT203 for minimum reading.
R-CH	R-CH	Ⓒ
L-CH	R-CH	Ⓓ Adjust RT203 for minimum reading.

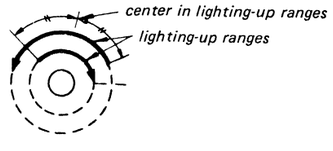
L-CH Stereo separation: Ⓐ – Ⓑ
R-CH Stereo separation: Ⓒ – Ⓓ

The separations of both channels should be equal.

B) Simple Method

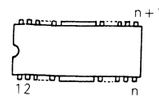
Procedure:

1. Tune the set to the FM stereo broadcasting signal.
2. Turn RT202 clockwise or counterclockwise and memorize the lighting-up range of the stereo lamp.
3. Secure RT202 at the center of the lighting-up range of both turns as shown below.

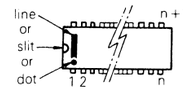


• Semiconductor Lead Layouts

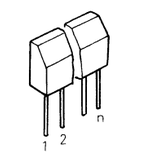
CX770A



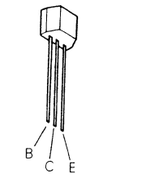
CX778A
LA1235
LA1245
LA3390
LC7815H



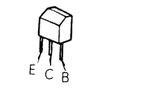
M5218L



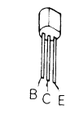
2SA1048
2SC2458



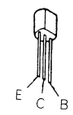
2SB734



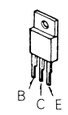
2SC710-13



2SC1362
2SC1815-GR

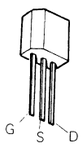


2SD890

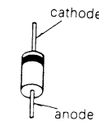


2SK30A

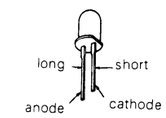
2SK241-Y



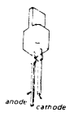
1S953
1S1555
10E2
EQA01-16
EQA01-21
EQB01-16
EQB01-21
HZ7B2L
HZ27-1L



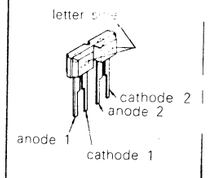
GL5HD21
GL5PG523



GL9PR9



KV1226



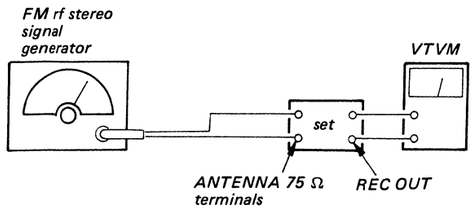
MV

S4V
S4V

(+)1

FM Stereo Separation Adjustment

Procedures:



Carrier frequency: *98 MHz*
Output level: *1 mV (60 dB)*
Modulation
Audio 400 Hz: *33.75 kHz deviation (45%)*
Sub channel 38 kHz: *33.75 kHz deviation (45%)*
Pilot signal 19 kHz: *7.5 kHz deviation (10%)*

RT203

FM stereo signal generator output channel	VTVM connection	VTVM reading (dB)
L-CH	L-CH	Ⓐ
R-CH	L-CH	Ⓑ Adjust RT203 for minimum reading.
R-CH	R-CH	Ⓒ
L-CH	R-CH	Ⓓ Adjust RT203 for minimum reading.

L-CH Stereo separation: Ⓐ – Ⓑ
R-CH Stereo separation: Ⓒ – Ⓓ

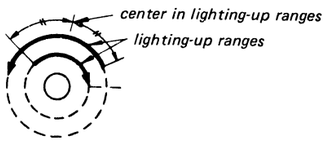
The separations of both channels should be equal.

B) Simple Method

Procedure:

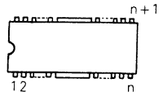
1. Tune the set to the FM stereo broadcasting signal.
2. Turn RT202 clockwise or counterclockwise and memorize the lighting-up range of the stereo lamp.
3. Secure RT202 at the center of the lighting-up range of both turns as shown below.

RT202

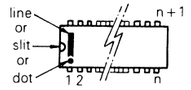


• Semiconductor Lead Layouts

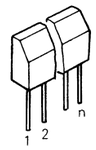
CX770A



CX778A
LA1235
LA1245
LA3390
LC7815H



M5218L

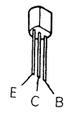


2SA1048
2SC2458

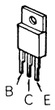
2SB734

2SC710-13

2SC1362
2SC1815-GR

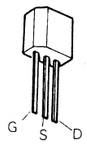


2SD890

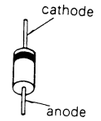


2SK30A

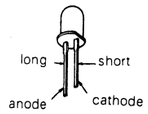
2SK241-Y



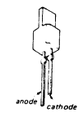
1S953
1S1555
10E2
EQA01-16
EQA01-21
EQB01-16
EQB01-21
HZ7B2L
HZ27-1L



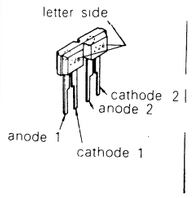
GL5HD21
GL5PG523



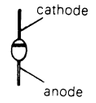
GL9PR9



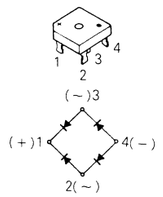
KV1226



MV12N



S4VB20
S4VB40



SECTION 4
DIAGRAMS

4-1. SCHEMATIC DIAGRAM

Note:

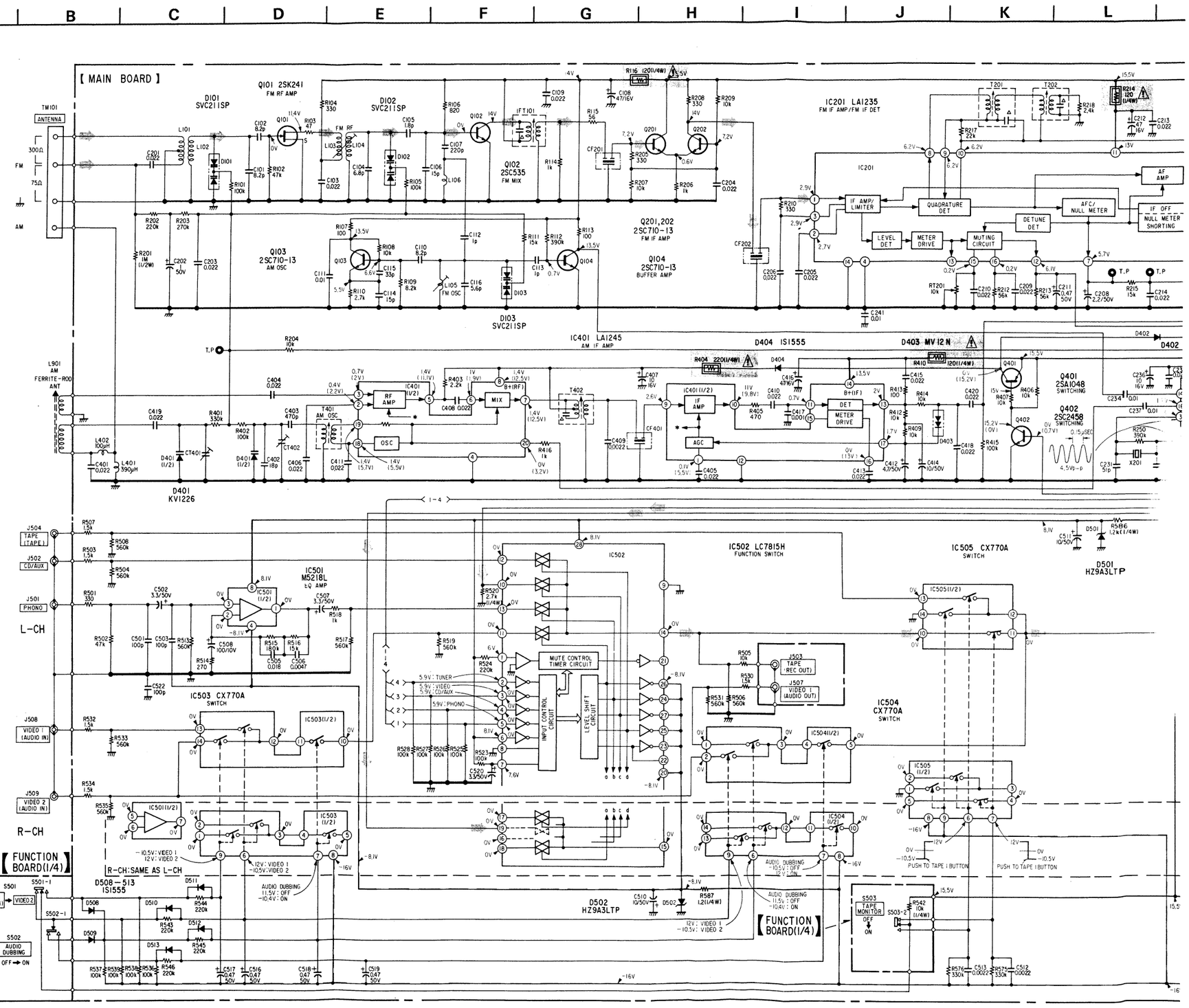
- Components for right channel have same values as for left channel. Reference numbers are coded from
- All capacitors are in μF unless otherwise noted. pF : μμF 50WV or less are not indicated except for electrolytics and tantalums.
- : nonflammable resistor.
- : fusible resistor.
- △ : internal component.
- : panel designation.
- : adjustment for repair.
- ——: B+ bus.
- – – –: B- bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal (detuned) conditions. with a VOM (20 kΩ/V)
  ( ) :AM
- Voltage variations may be noted due to normal production tolerances.
- Switch

Ref. No.	Switch	Position
S301	9 kHz/10 kHz	9 kHz
S302~311	PRESET SWITCH	OFF
S312	MEMORY SCAN	OFF
S313	MEMORY	OFF
S314, 315	TUNING	OFF
S316	FM	OFF
S317	AM	OFF
S318	FM MODE	OFF
S501	VIDEO	OFF
S502	AUDIO DUBBING	OFF
S503	TAPE MONITOR	OFF
S505	PHONO	OFF
S506	AUX	OFF
S507	TUNER	OFF
S508	VIDEO	OFF
S601	LOUDNESS	OFF
S701	SPEAKER	A
S901	POWER	OFF

- : signal path

Note: Voltages are measured with a VOM (50kΩ/V).

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.



G H I J K L M N O P Q R S T U V W

IC201 LA1235
FM IF AMP/FM IF DET

IC202 LA3390
MPX

Q201,202
2SC710-13
FM IF AMP

Q104
2SC710-13
BUFFER AMP

Q203
2SC2458
SWITCHING

Q204
2SC2458
SWITCHING

【FUNCTION BOARD(I/4)】

【DISPLAY BOARD(I/2)】

D311
(STEREO)

D311
GL9PR9

D703,704
1S1555

"BACK UP"
DRY BATT
SIZE "AA"
(IEC DESIGNATION R6)
2PCS, 3V

IC401 LA1245
AM IF AMP

D404 1S1555

D403 MV12N

D402 1S1555

D201 1S1555

D203
1S1555

D203
2.2V: LED OFF
(2.4V): LED ON

Q401
2SA1048
SWITCHING

Q402
2SC2458
SWITCHING

IC203 CX778A
PLL OSC SYNTHESIZER

D202 MV12N

Q205 2SC1362
L.P.F

Q206 2SK30A
BUFFER

IC502 LC7815H
FUNCTION SWITCH

IC505 CX770A
SWITCH

IC504
CX770A
SWITCH

D501
HZ9A3LTP

D502
HZ9A3LTP

【FUNCTION BOARD(I/4)】

【TONE/VOLUME BOARD(I/3)】

【TONE/VOLUME BOARD(I/3)】

【TONE/VOLUME BOARD(I/3)】

IC601 M5218L
FLAT AMP

D504 GL5PG523

D503 GL5HD21

【FUNCTION BOARD(I/4)】

【VIDEO BOARD】

D507
1S1555

IC701 STK3041
DRIVER IMPEDANCE DET

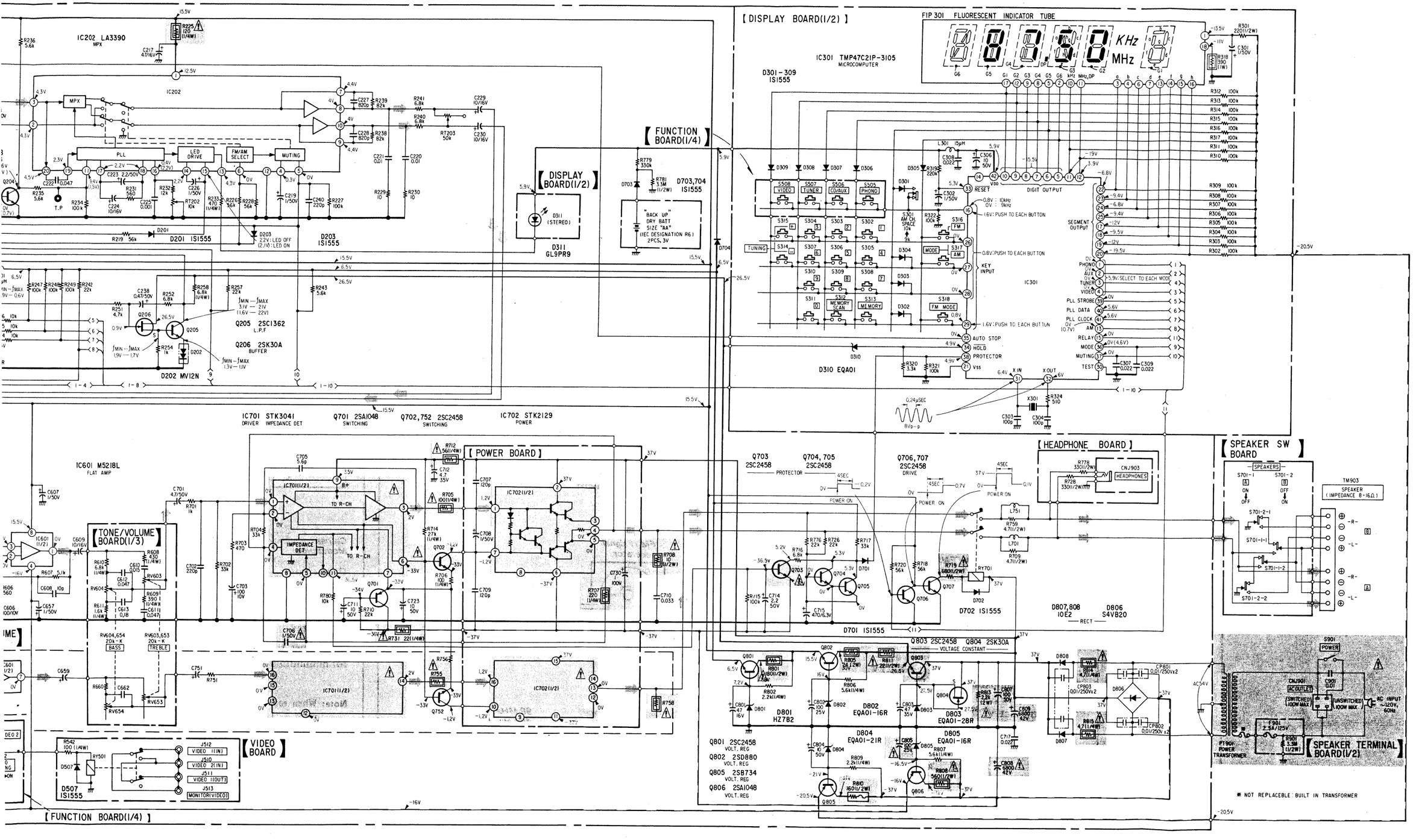
Q701 2SA1048
SWITCHING

Q702,752 2SC2458
SWITCHING

IC702 STK2129
POWER

【POWER BOARD】

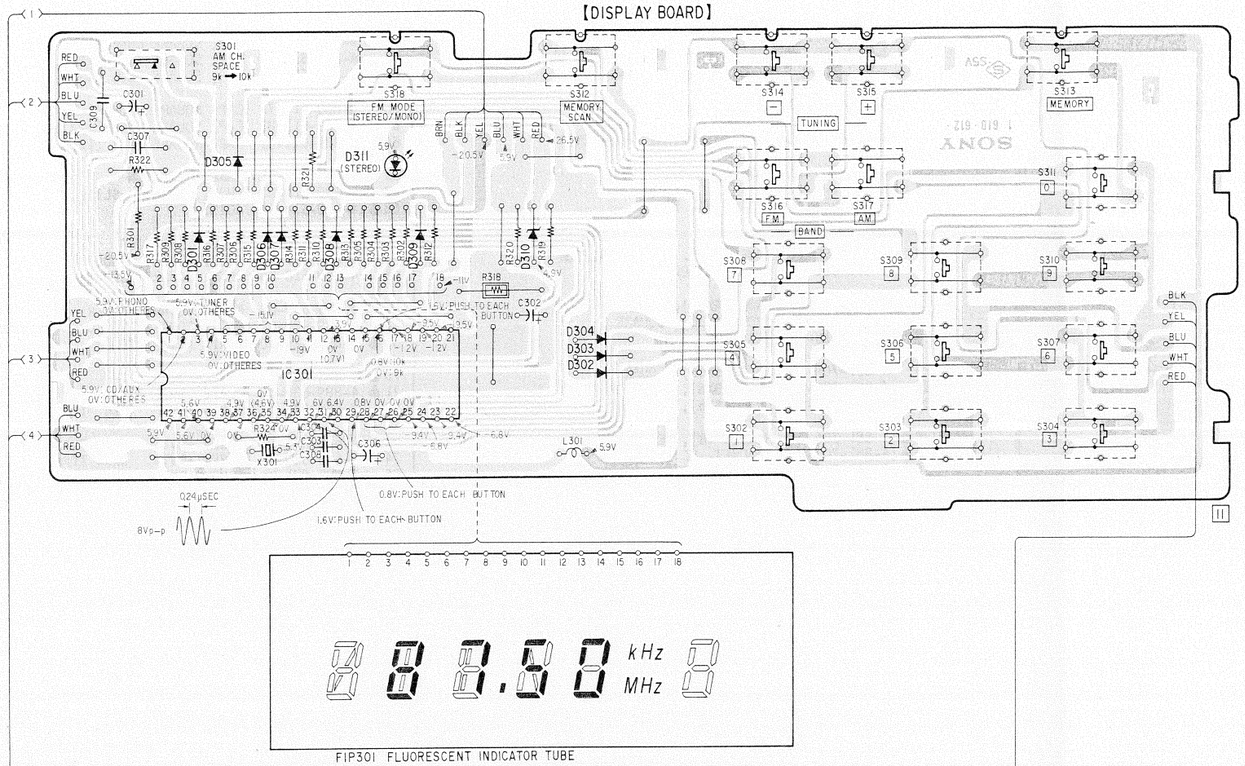
P Q R S T U V W X Y Z A1 B1 C1 D1 E1



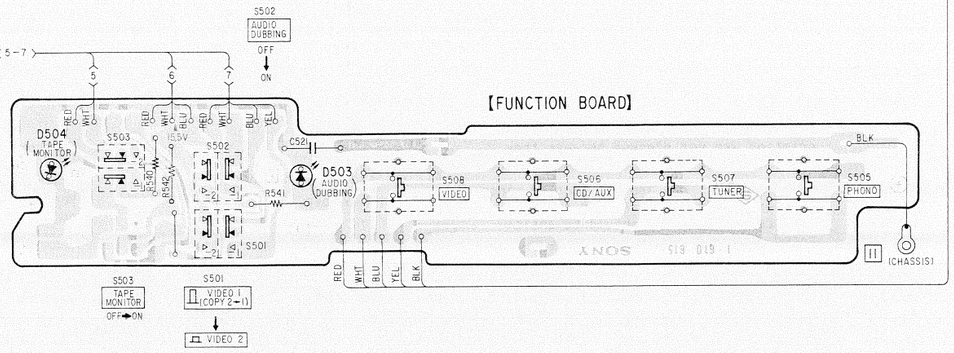
4-2. MOUNTING DIAGRAM

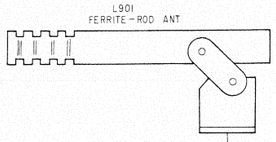
IC	IC301							
D	301	305 306,307	308	311	310	304 303 302		

【DISPLAY BOARD】



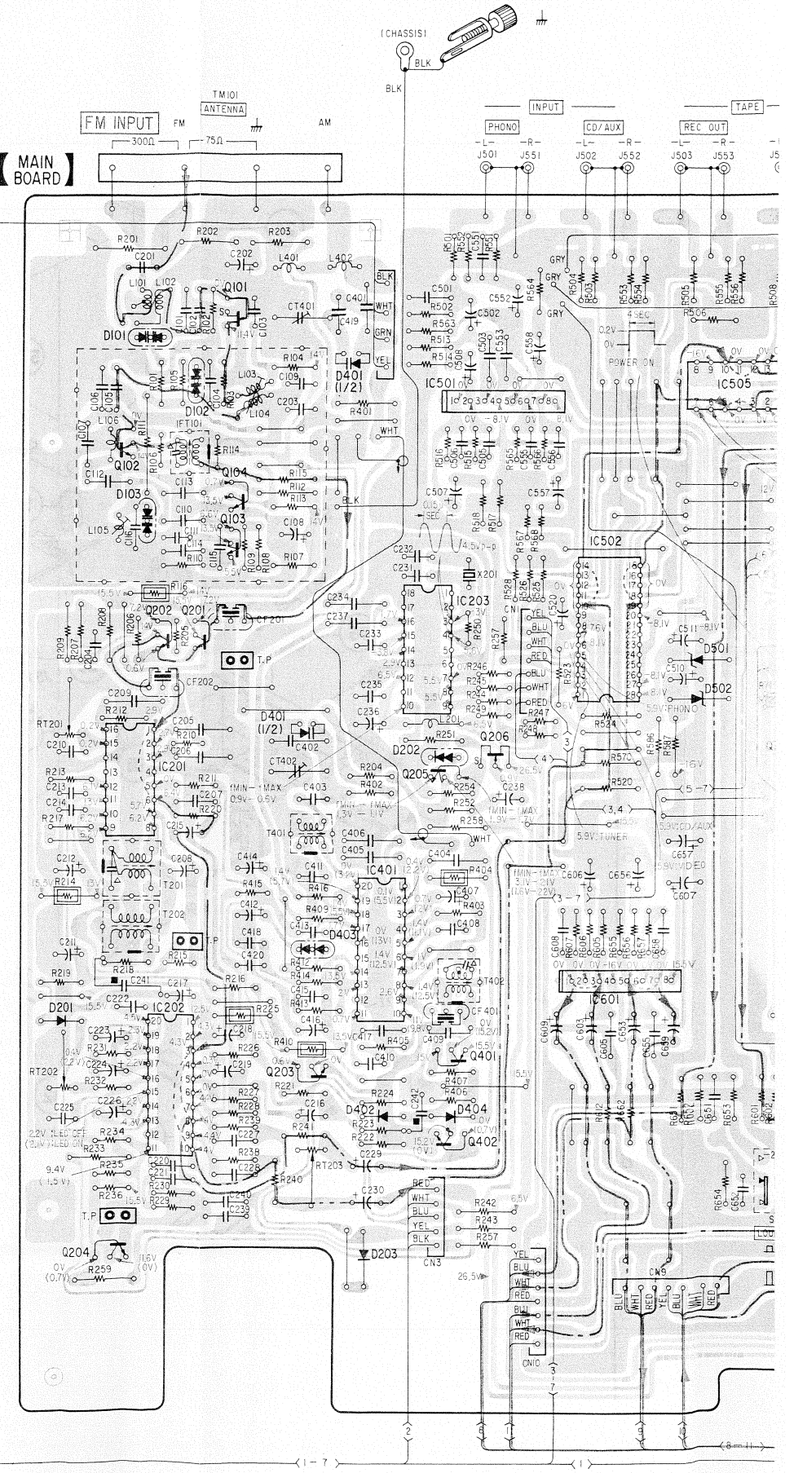
【FUNCTION BOARD】





Q-IC	D
101	101
IC504,IC503	401(1/2)
IC505	102
IC501	
102	
104	512
103	103,513,511,510 508
	702
IC502	509
202,201	
IC203	501 703
707	
706,704,705	502
	401(1/2)
206 703	202
205 701	
IC201	
752	
702	
IC701	
IC401	403
IC601	
	201
401 805,806	
IC202 203	806
	402,404
	701,801,804,805
402 801	
802	
204	704
	203
	802
803,804	803 808 807

【MAIN BOARD】



M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | A1 | B1 | C1

【VIDEO BOARD】

【POWER BOARD】

【SPEAKER SW BOARD】

【HEADPHON BOARD】

【SPEAKER TERMINAL BOARD】

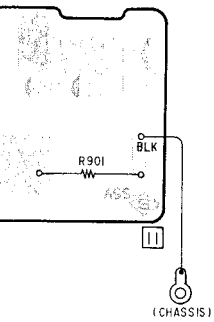
【TONE/VOLUME BOARD】

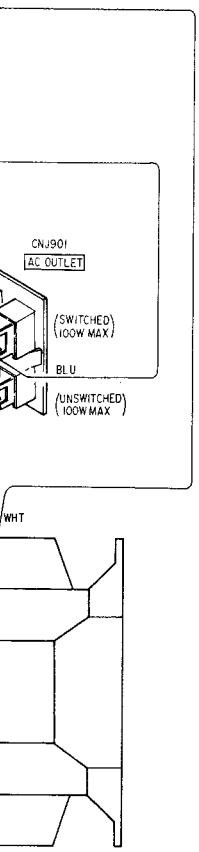
"BACK UP" DRY BATT (IEC DESIGNATION R6) 2PCS, 3V

B1 | C1 | D1 | E1

Note:

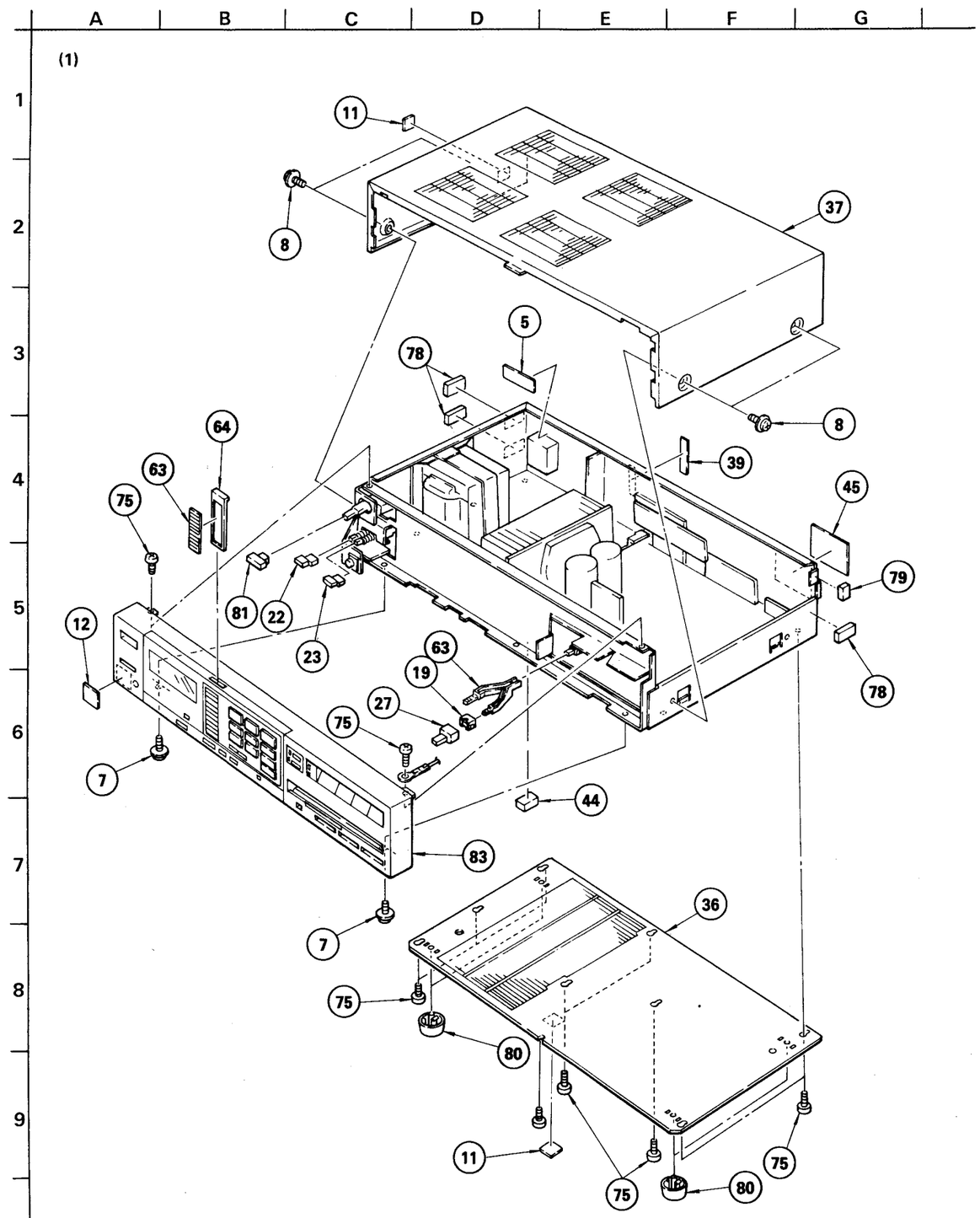
- [ ]← : indicates side identified with part number.
- Ⓕ : fusible resistor.
- ▒▒ : B + pattern
- ▬▶▬ : signal path
- ▬▪▪▶ : L-CH signal path
- ▬▪▪▶ : R-CH signal path



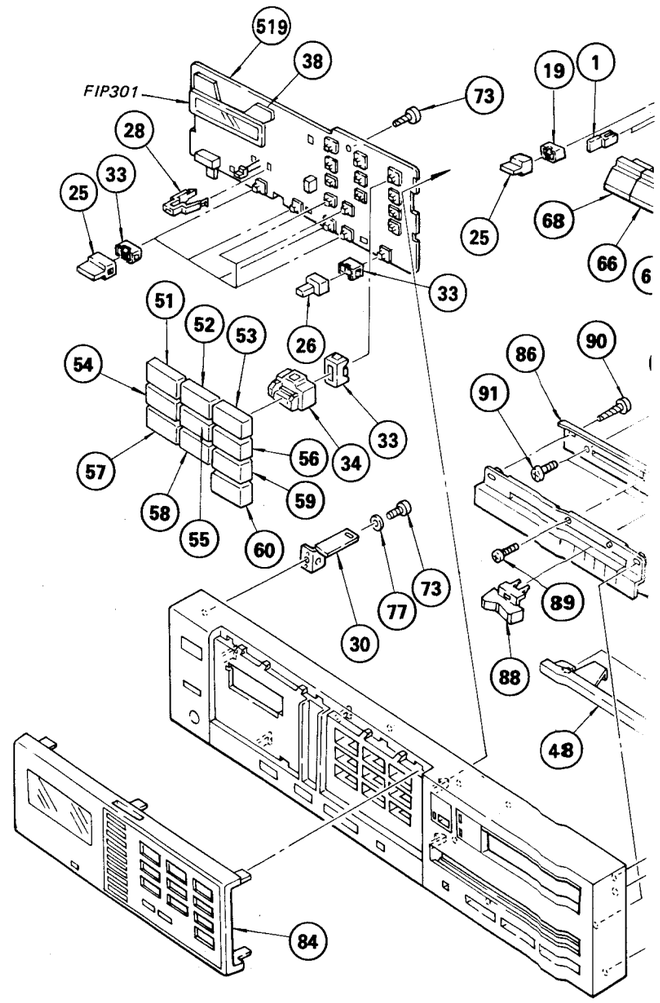


SECTION 5
EXPLODED VIEWS AND PARTS LIST

(1)



(2)



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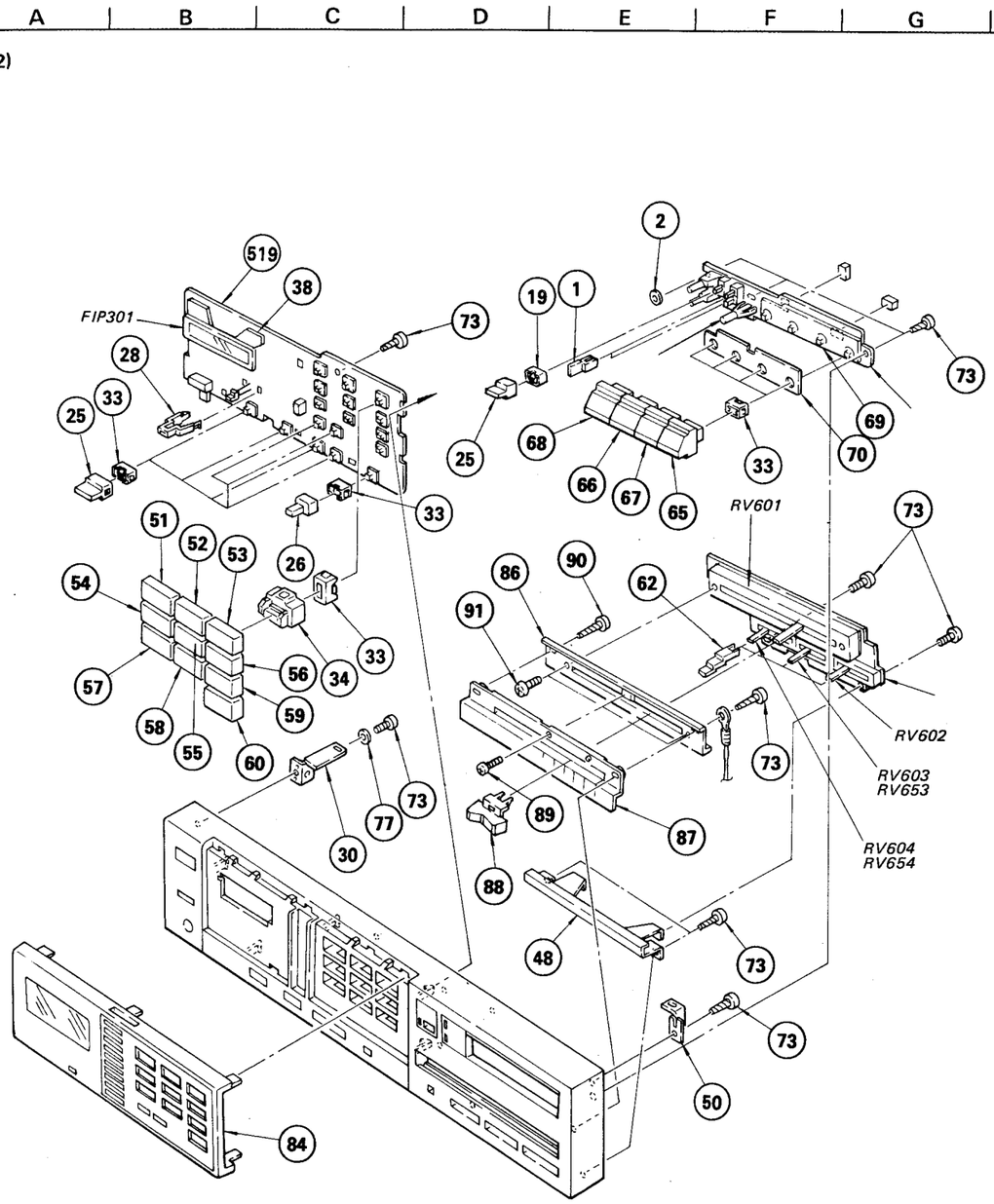
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RV602
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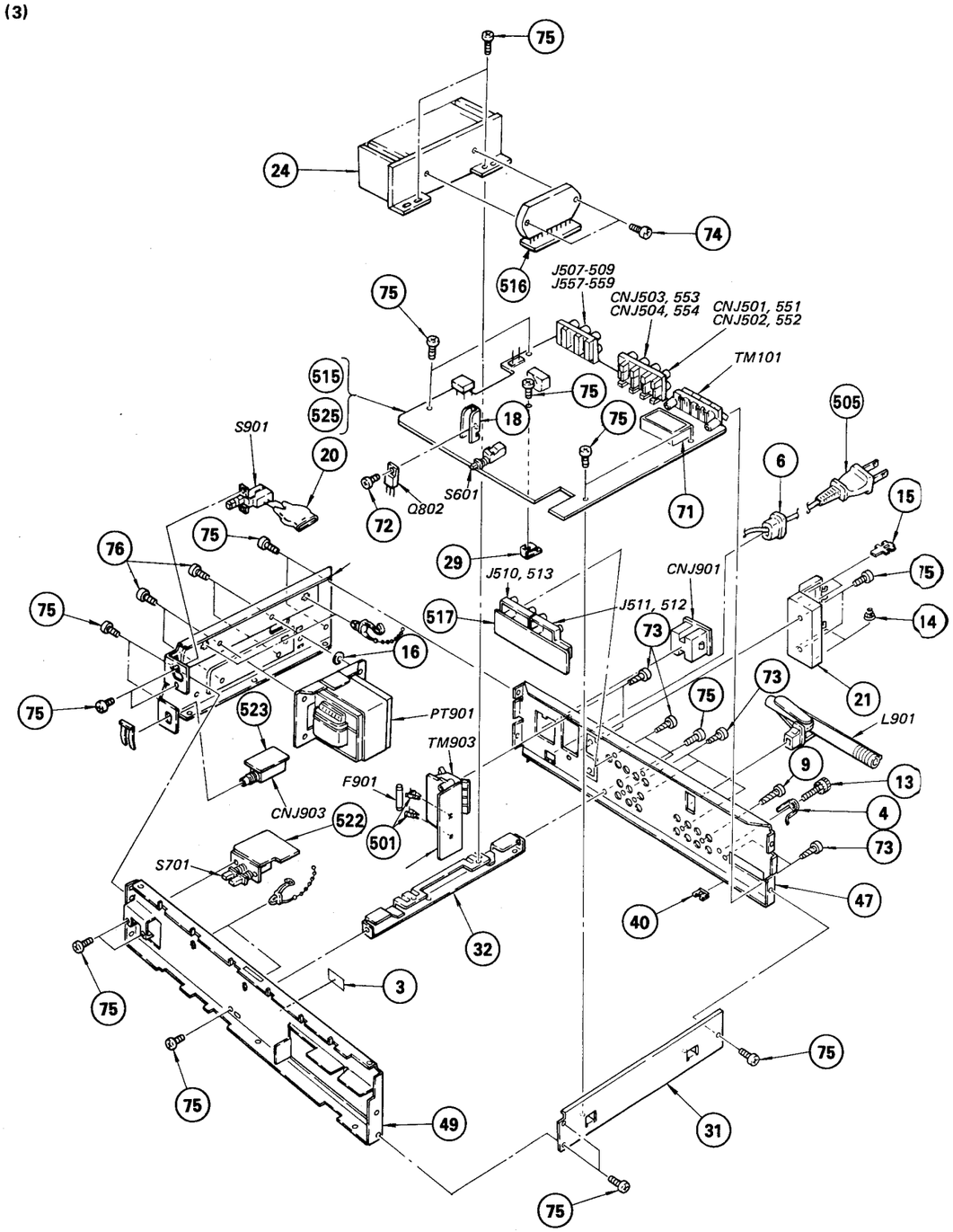
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J557-559
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CNJ504, 554
CNJ501, 551
CNJ502, 552
TM101
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S901
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505
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Q802
S601
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J510, 513
CNJ901
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J511, 512
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L901
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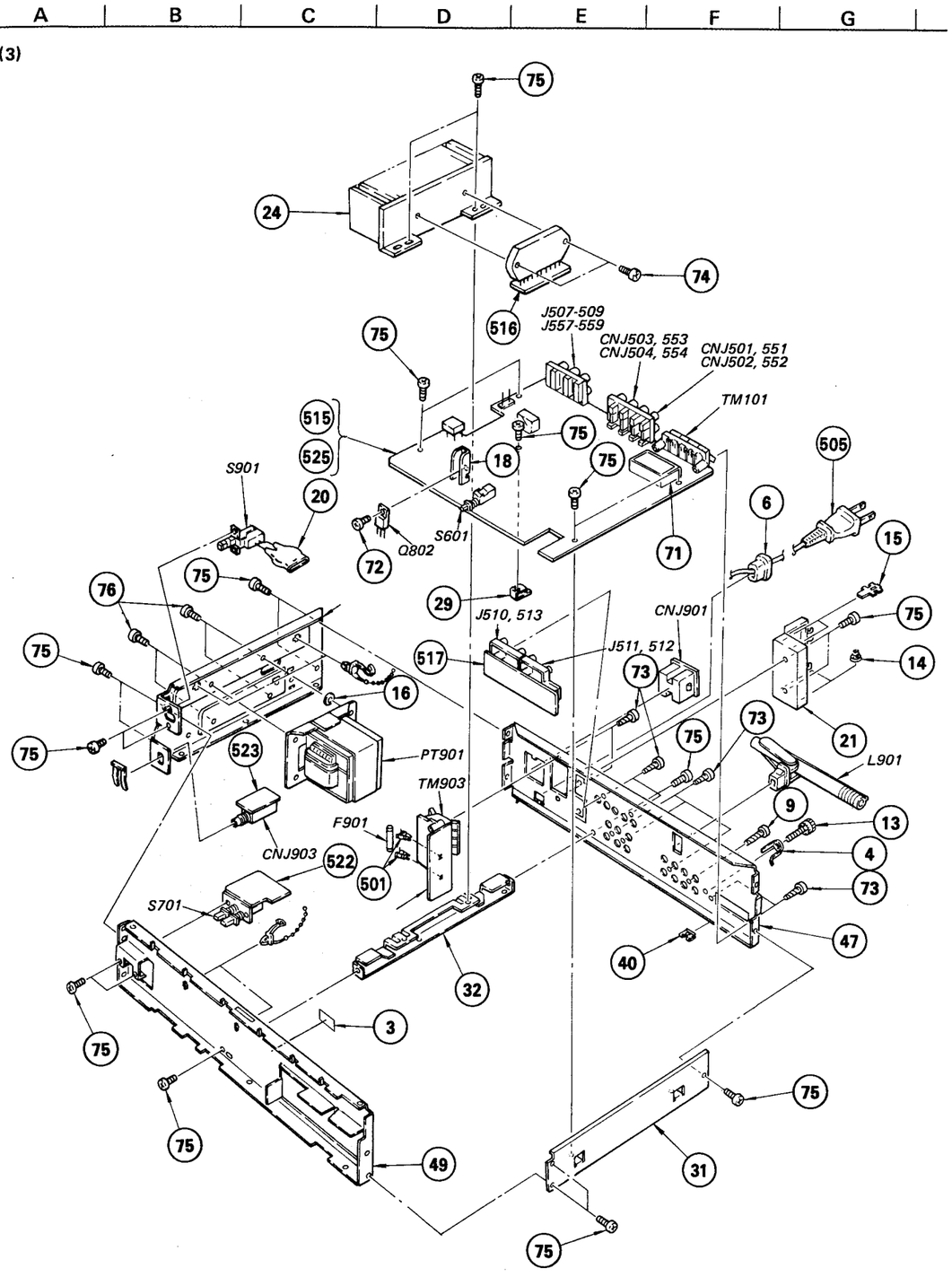

GENERAL SECTION

No.	Part No.	Description
1	3-309-139-11	KNOB (C)
2	3-565-342-00	WASHER (A)
3	3-701-030-00	LABEL, SERIAL NUMBER
4	3-701-993-00	SPACER, TERMINAL
5 ♦	3-703-044-26	LABEL, CAUTION
6	3-703-244-00	BUSHING, CORD
7	3-703-249-01	SCREW, S TIGHT, +PTTWH 3X6
8	3-703-354-11	SCREW (OS), CASE, CLAW
9	3-703-473-00	SCREW, TERMINAL
10	.....	
11 ♦	3-703-680-00	LABEL, CAUTION, SUB, NEW UL
12	3-703-710-01	STICKER, SONY SYMBOL (12)
13	3-706-165-00	SCREW
14	3-883-424-00	SPRING
15	3-883-428-00	PLATE, TERMINAL (POSITIVE)
16	4-308-030-00	WASHER
17	.....	
18 ♦	4-857-562-00	HEAT SINK, TR
19	4-864-307-00	RING
20	4-875-455-21	COVER (DIA. 20), CAPACITOR
21	4-875-530-00	CASE, BATTERY
22	4-876-722-01	KNOB (4X10), SQUARE
23	4-876-722-11	KNOB (4X10), SQUARE
24 ♦	4-881-415-00	HEAT SINK (A)
25	4-881-704-81	KNOB (5X16), SQUARE
26	4-881-705-01	KNOB (5X6), SQUARE
27	4-881-705-11	KNOB (5X6), SQUARE
28 ♦	4-881-706-00	HOLDER (B), LED
29 ♦	4-881-707-00	BRACKET, PC BOARD
30 ♦	4-881-708-00	BRACKET (LEFT), PANEL
31 ♦	4-881-721-00	PLATE (RIGHT), SIDE
32 ♦	4-881-722-00	BRACKET, HEAT SINK
33	4-881-725-00	RING (TACT), FLEXIBLE
34	4-881-728-00	BASE, KNOB (12X25), SQUARE
35 ♦	4-881-729-00	PLATE (LEFT), SIDE
36 ♦	4-881-730-00	PLATE, BOTTOM
37	4-881-736-00	CASE
38 ♦	4-881-744-00	HOLDER, FL TUBE
39 ♦	4-881-747-00	LABEL, BATTERY
40 ♦	4-881-752-00	NUT, PLATE, SPECIAL
41	.....	
42 ♦	4-888-157-00	HOLDER, LED
43	4-888-159-31	KNOB, SQUARE
44	4-888-161-00	CUSHION
45	4-889-601-00	LABEL, MODEL NUMBER (U)

GENERAL SECTION

No.	Part No.	Description
46	.....	
47 ♦	4-889-605-01	PLATE, JACK
48 ♦	4-889-621-00	MASK (A), SLIDE
49 ♦	4-889-623-00	PANEL (B), SUB
50 ♦	4-889-610-00	BRACKET (R), PANEL
51	4-889-611-01	CAP, SQUARE KNOB (12X25), 1
52	4-889-611-11	CAP, SQUARE KNOB (12X25), 2
53	4-889-611-21	CAP, SQUARE KNOB (12X25), 3
54	4-889-611-31	CAP, SQUARE KNOB (12X25), 4
55	4-889-611-41	CAP, SQUARE KNOB (12X25), 5
56	4-889-611-51	CAP, SQUARE KNOB (12X25), 6
57	4-889-611-61	CAP, SQUARE KNOB (12X25), 7
58	4-889-611-71	CAP, SQUARE KNOB (12X25), 8
59	4-889-611-81	CAP, SQUARE KNOB (12X25), 9
60	4-889-611-91	CAP, SQUARE KNOB (12X25), 0
61	4-889-612-01	LABEL, STATION
62	4-889-613-00	KNOB, CONTROL, SLIDE
63 ♦	4-889-614-00	JOINT
64	4-889-615-00	HOLDER, STATION
65	4-889-617-00	KNOB, SQUARE, PHONO
66	4-889-618-00	KNOB, SQUARE, CD/AUX
67	4-889-619-00	KNOB, SQUARE, TUNER
68	4-889-620-00	KNOB, SQUARE, VIDEO
69 ♦	4-889-626-00	PLATE (B), SHIELD
70 ♦	4-889-627-00	INSULATOR
71 ♦	4-889-630-00	PLATE, SHIELD (A)
72	7-685-645-71	SCREW +BVTP 3X6 TYPE2 SLIT
73	7-685-646-11	SCREW +BVTP 3X8 TYPE2 N-S
74	7-685-649-21	SCREW +BVTP 3X14 TYPE2 SLIT
75	7-685-871-01	SCREW +BVTT 3X6 (S)
76	7-685-881-01	SCREW +BVTT 4X8 (S)
77	7-688-003-01	W 3, SMALL
78	9-911-841-XX	SPACER
79	9-911-843-XX	CUSHION, FLYWHEEL
80	X-4864-303-0	FOOT ASSY
81	X-4875-108-0	KNOB ASSY, POWER
82	7-685-648-11	SCREW +BVTP 3X12 TYPE 2
83	X-4889-605-1	PANEL ASSY
84	X-4889-604-1	10 KEY PANEL ASSY
85	7-682-646-11	+BVTT 3X6
86 ♦	4-881-711-00	BRACKET, CONTROL
87	4-881-712-00	PLATE, ORNAMENTAL, CONTROL
88	4-881-723-00	KNOB, CONTROL, SLIDE
89	7-621-284-00	SCREW +P 2.6X4
90	7-685-647-11	SCREW +BVTP 3X10 TYPE2
91	7-682-145-01	SCREW +P 3X4

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ACCESSORY & PACKING MATERIAL

No.	Part No.	Description
101	1-501-224-21	ANTENNA, FEEDER
102	3-701-630-00	BAG, POLYETHYLENE
103	3-703-390-01	INSTRUCTION
104	3-773-472-21	MANUAL, INSTRUCTION
105	3-795-683-21	CARD, CONTROL
106	4-858-078-00	SHEET, PROTECTION
107	4-881-738-00	CUSHION, UPPER
108	4-881-739-00	CUSHION, LOWER
109	4-889-624-00	INDIVIDUAL CARTON
110	X-4889-601-0	LABEL ASSY, STATION

ELECTRICAL PARTS

Ref.No.	Part No.	Description
501	1-517-072-00	LAMP HOLDER
502 ♦	;1-535-115-00	TERMINAL
503 ♦	;1-535-116-00	TERMINAL
504 ♦	;1-535-117-00	TERMINAL
505 A	1-551-506-XX	CORD, POWER
506 ♦	;1-560-060-00	PIN, CONNECTOR 2P
507 ♦	;1-560-606-31	PIN, CONNECTOR 7P
508 ♦	;1-560-604-00	PIN, CONNECTOR 5P
509 ♦	;1-560-605-00	PIN, CONNECTOR 6P
510 ♦	;1-560-606-00	PIN, CONNECTOR 7P
511 ♦	;1-560-606-21	PIN, CONNECTOR 7P
512 ♦	;1-560-710-00	PIN, CONNECTOR 9P
513 ♦	;1-562-251-00	SOCKET, CONNECTOR 6P
514	.....	
515 ♦	;1-610-608-00	PC BOARD, MAIN
516 ♦	;1-610-609-00	PC BOARD, POWER
517 ♦	;1-610-610-00	PC BOARD, VIDEO
518 ♦	;1-610-613-00	PC BOARD, TONE/VOLUME
519 ♦	;1-610-612-00	PC BOARD, DISPLAY
520 ♦	;1-610-614-00	PC BOARD, TONE (B)
521 ♦	;1-610-615-00	PC BOARD, FUNCTION
522 ♦	;1-610-616-00	PC BOARD, SPEAKER SW
523 ♦	;1-610-617-00	PC BOARD, HEADPHONE
524 ♦	;1-610-618-00	PC BOARD, SPEAKER TERMINAL
525 ♦	;A-4409-769-A	MOUNTED PCB, MAIN

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C101	1-162-012-00	CERAMIC	8.2PF	10%	50V
C102	1-162-012-00	CERAMIC	8.2PF	10%	50V
C103	1-101-005-00	CERAMIC	0.022MF		50V
C104	1-162-011-00	CERAMIC	6.8PF	10%	50V
C105	1-162-004-00	CERAMIC	1.8PF	20%	50V
C106	1-162-017-00	CERAMIC	15PF	5%	50V
C107	1-162-102-00	CERAMIC	220PF	10%	50V
C108	1-123-319-00	ELECT	47MF	20%	16V
C109	1-101-005-00	CERAMIC	0.022MF		50V
C110	1-162-079-00	CERAMIC	8.2PF	10%	50V
C111	1-101-004-00	CERAMIC	0.01MF		50V
C112	1-162-001-00	CERAMIC	1PF	20%	50V
C113	1-162-001-00	CERAMIC	1PF	20%	50V
C114	1-162-017-00	CERAMIC	15PF	5%	50V
C115	1-162-056-00	CERAMIC	33PF	5%	50V
C116	1-162-061-00	CERAMIC	5.6PF	10%	50V
C201	1-101-005-00	CERAMIC	0.022MF		50V
C202	1-123-380-00	ELECT	1MF	20%	50V
C203	1-101-005-00	CERAMIC	0.022MF		50V
C204	1-101-005-00	CERAMIC	0.022MF		50V
C205	1-161-494-00	CERAMIC	0.022MF	30%	25V
C206	1-161-494-00	CERAMIC	0.022MF	30%	25V
C207	1-162-037-00	CERAMIC	100PF	5%	50V
C208	1-123-353-00	ELECT	2.2MF	20%	50V
C209	1-161-494-00	CERAMIC	0.022MF	30%	25V
C210	1-101-005-00	CERAMIC	0.022MF		50V
C211	1-123-351-00	ELECT	0.47MF	20%	50V
C212	1-123-319-00	ELECT	47MF	20%	16V
C213	1-101-005-00	CERAMIC	0.022MF		50V
C214	1-101-005-00	CERAMIC	0.022MF		50V
C215	1-123-356-00	ELECT	10MF	20%	16V
C216	1-123-354-00	ELECT	3.3MF	20%	50V
C217	1-123-319-00	ELECT	47MF	20%	16V
C218	1-123-351-00	ELECT	0.47MF	20%	50V
C219	1-123-380-00	ELECT	1MF	20%	50V
C220	1-162-113-00	CERAMIC	0.01MF	30%	16V
C221	1-162-113-00	CERAMIC	0.01MF	30%	16V
C222	1-130-628-00	FILM	0.047MF	5%	50V
C223	1-123-353-00	ELECT	2.2MF	20%	50V
C224	1-123-356-00	ELECT	10MF	20%	16V
C225	1-104-077-00	POLYSTYRENE	0.001MF	5%	50V
C226	1-123-380-00	ELECT	1MF	20%	50V
C227	1-102-117-00	CERAMIC	820PF	10%	50V
C228	1-102-117-00	CERAMIC	820PF	10%	50V
C229	1-123-356-00	ELECT	10MF	20%	16V

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MF:μF, PF:μμF.

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- All resistors are in ohms.
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In each case, U : μ, for example:
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ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C230	1-123-356-00	ELECT	10MF	20%	16V
C231	1-101-882-00	CERAMIC	51PF	5%	50V
C232	1-101-882-00	CERAMIC	51PF	5%	50V
C233	1-101-005-00	CERAMIC	0.022MF		50V
C234	1-162-113-00	CERAMIC	0.01MF	30%	16V
C235	1-101-005-00	CERAMIC	0.022MF		50V
C236	1-123-356-00	ELECT	10MF	20%	16V
C237	1-162-113-00	CERAMIC	0.01MF	30%	16V
C238	1-123-351-00	ELECT	0.47MF	20%	50V
C239	1-162-102-00	CERAMIC	220PF	10%	50V
C240	1-162-102-00	CERAMIC	220PF	10%	50V
C241	1-101-005-00	CERAMIC	0.022MF	10%	50V
C242	1-101-005-00	CERAMIC	0.022MF	10%	50V
C301	1-123-611-00	ELECT	1MF	20%	50V
C302	1-123-611-00	ELECT	1MF	20%	50V
C303	1-102-973-00	CERAMIC	100PF	5%	50V
C304	1-102-973-00	CERAMIC	100PF	5%	50V
C306	1-123-356-00	ELECT	10MF	20%	50V
C307	1-161-494-00	CERAMIC	0.022MF	30%	25V
C308	1-101-005-00	CERAMIC	0.022MF		50V
C309	1-161-494-00	CERAMIC	0.022MF	30%	25V
C401	1-101-005-00	CERAMIC	0.022MF		50V
C402	1-162-019-00	CERAMIC	18PF	5%	50V
C403	1-102-824-00	CERAMIC	470PF	5%	50V
C404	1-161-494-00	CERAMIC	0.022MF	30%	25V
C405	1-161-494-00	CERAMIC	0.022MF	30%	25V
C406	1-161-494-00	CERAMIC	0.022MF	30%	25V
C407	1-123-356-00	ELECT	10MF	20%	16V
C408	1-101-005-00	CERAMIC	0.022MF		50V
C409	1-162-111-00	CERAMIC	0.0022MF	30%	25V
C410	1-101-005-00	CERAMIC	0.022MF		50V
C411	1-101-005-00	CERAMIC	0.022MF		50V
C412	1-123-369-00	ELECT	4.7MF	20%	50V
C413	1-101-005-00	CERAMIC	0.022MF		50V
C414	1-123-356-00	ELECT	10MF	20%	50V
C415	1-101-005-00	CERAMIC	0.022MF		50V
C416	1-123-319-00	ELECT	47MF	20%	16V
C417	1-162-110-00	CERAMIC	0.001MF	10%	50V
C418	1-101-005-00	CERAMIC	0.022MF		50V
C419	1-101-005-00	CERAMIC	0.022MF		50V
C420	1-130-624-00	FILM	0.022MF	5%	50V
C501	1-162-037-00	CERAMIC	100PF	5%	50V
C502	1-123-354-00	ELECT	3.3MF	20%	50V
C503	1-162-037-00	CERAMIC	100PF	5%	50V
C505	1-130-623-00	FILM	0.018MF	5%	50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C506	1-108-571-00	MYLAR	0.0047MF	5%	50V
C507	1-123-354-00	ELECT	3.3MF	20%	50V
C508	1-123-474-00	ELECT	100MF	20%	10V
C510	1-123-356-00	ELECT	10MF	20%	50V
C511	1-123-356-00	ELECT	10MF	20%	50V
C512	1-101-002-00	CERAMIC	0.0022MF		50V
C513	1-101-002-00	CERAMIC	0.0022MF		50V
C516	1-123-351-00	ELECT	0.47MF	20%	50V
C517	1-123-351-00	ELECT	0.47MF	20%	50V
C518	1-123-351-00	ELECT	0.47MF	20%	50V
C519	1-123-351-00	ELECT	0.47MF	20%	50V
C520	1-123-354-00	ELECT	3.3MF	20%	50V
C521	1-161-494-00	CERAMIC	0.022MF	30%	25V
C522	1-162-037-00	CERAMIC	100PF	5%	50V
C551	1-162-037-00	CERAMIC	100PF	5%	50V
C552	1-123-354-00	ELECT	3.3MF	20%	50V
C553	1-162-037-00	CERAMIC	100PF	5%	50V
C555	1-130-623-00	FILM	0.018MF	5%	50V
C556	1-108-571-00	MYLAR	0.0047MF	5%	50V
C557	1-123-354-00	ELECT	3.3MF	20%	50V
C558	1-123-474-00	ELECT	100MF	20%	10V
C601	1-162-105-00	CERAMIC	390PF	10%	50V
C602	1-130-632-00	FILM	0.1MF	5%	50V
C603	1-123-353-00	ELECT	2.2MF	20%	50V
C605	1-162-037-00	CERAMIC	100PF	5%	50V
C606	1-123-307-00	ELECT	100MF	20%	10V
C607	1-123-380-00	ELECT	1MF	20%	50V
C608	1-162-013-00	CERAMIC	10PF	5%	50V
C609	1-123-356-00	ELECT	10MF	20%	16V
C610	1-130-622-00	FILM	0.015MF	5%	50V
C611	1-130-628-00	FILM	0.047MF	5%	50V
C612	1-130-628-00	FILM	0.047MF	5%	50V
C613	1-130-635-00	FILM	0.18MF	5%	50V
C651	1-162-105-00	CERAMIC	390PF	10%	50V
C652	1-130-632-00	FILM	0.1MF	5%	50V
C653	1-123-353-00	ELECT	2.2MF	20%	50V
C655	1-162-037-00	CERAMIC	100PF	5%	50V
C656	1-123-307-00	ELECT	100MF	20%	10V
C657	1-123-380-00	ELECT	1MF	20%	50V
C658	1-162-013-00	CERAMIC	10PF	5%	50V
C659	1-123-356-00	ELECT	10MF	20%	16V
C660	1-130-622-00	FILM	0.015MF	5%	50V
C661	1-130-628-00	FILM	0.047MF	5%	50V
C662	1-130-628-00	FILM	0.047MF	5%	50V
C663	1-130-635-00	FILM	0.18MF	5%	50V

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ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C701	1-123-369-00	ELECT	4.7MF	20%	50V
C702	1-1n2-102-00	CERAMIC	220PF	10%	50V
C703	1-123-307-00	ELECT	100MF	20%	10V
C705	1-162-010-00	CERAMIC	5.6PF	10%	50V
C706 ⚠	1-123-228-00	ELECT	1MF	20%	50V
C707	1-102-816-00	CERAMIC	120PF	5%	50V
C708 ⚠	1-123-380-00	ELECT	1MF	20%	50V
C709	1-102-816-00	CERAMIC	120PF	5%	50V
C710	1-130-626-00	FILM	0.033MF	5%	50V
C711	1-123-356-00	ELECT	10MF	20%	50V
C712	1-123-512-00	ELECT	47MF	20%	35V
C714	1-123-353-00	ELECT	2.2MF	20%	50V
C715	1-123-298-00	ELECT	470MF	20%	6.3V
C716	1-123-319-00	ELECT	47MF	20%	16V
C717	1-101-005-00	CERAMIC	0.022MF		50V
C723 ⚠	1-123-356-00	ELECT	10MF	20%	50V
C730 ⚠	1-123-380-00	ELECT	1MF	20%	100V
C751	1-123-369-00	ELECT	4.7MF	20%	50V
C752	1-162-102-00	CERAMIC	220PF	10%	50V
C753	1-123-307-00	ELECT	100MF	20%	10V
C755	1-162-010-00	CERAMIC	5.6PF	10%	50V
C756 ⚠	1-123-228-00	ELECT	1MF	20%	50V
C757	1-102-816-00	CERAMIC	120PF	5%	50V
C758 ⚠	1-123-380-00	ELECT	1MF	20%	50V
C759	1-102-816-00	CERAMIC	120PF	5%	50V
C760	1-130-626-00	FILM	0.033MF	5%	50V
C780 ⚠	1-123-380-00	ELECT	1MF	20%	100V
C801	1-123-319-00	ELECT	47MF	20%	16V
C802	1-123-333-00	ELECT	100MF	20%	25V
C803	1-123-359-00	ELECT	47MF	20%	35V
C804	1-123-356-00	ELECT	10MF	20%	50V
C805 ⚠	1-123-333-00	ELECT	100MF	20%	25V
C807 ⚠	1-123-513-00	ELECT	100MF	20%	50V
C808 ⚠	1-124-030-00	ELECT	6800MF	20%	42V
C809 ⚠	1-124-030-00	ELECT	6800MF	20%	42V
C901 ⚠	1-161-749-00	CAP, CERAMIC	10000PF		
CF201	1-527-307-XX	FILTER, CERAMIC			
CF202	1-527-307-XX	FILTER, CERAMIC			
CF401	1-527-599-00	FILTER, MECHANICAL			
CNJ901 ⚠	1-561-161-00	OUTLET, AC			
CNJ903	1-507-869-00	JACK, LARGE TYPE			
CP801	1-102-394-00	CERAMIC		250V	
CP802	1-102-394-00	CERAMIC		250V	
CP803	1-102-394-00	CERAMIC		250V	

ELECTRICAL PARTS

Ref.No.	Part No.	Description
CT401	1-141-180-00	CAP, TRIMMER 15P
CT402	1-141-180-00	CAP, TRIMMER 15P
D101	8-719-902-11	DIODE SVC211SP
D102	8-719-902-11	DIODE SVC211SP
D103	8-719-902-11	DIODE SVC211SP
D201	8-719-912-27	DIODE KV1226
D202	8-719-912-00	DIODE MV12N
D301	8-719-815-55	DIODE 1S1555
D302	8-719-815-55	DIODE 1S1555
D303	8-719-815-55	DIODE 1S1555
D304	8-719-815-55	DIODE 1S1555
D305	8-719-815-55	DIODE 1S1555
D306	8-719-815-55	DIODE 1S1555
D307	8-719-815-55	DIODE 1S1555
D308	8-719-815-55	DIODE 1S1555
D309	8-719-815-55	DIODE 1S1555
D310	8-719-931-21	DIODE EQA01-21
D311	8-719-909-18	DIODE GL9PR9
D402	8-719-815-55	DIODE 1S1555
D403	8-719-912-00	DIODE MV12N
D501	8-719-910-92	DIODE HZ9A2L
D502	8-719-910-92	DIODE HZ9A2L
D503	8-719-906-58	DIODE GL5HD21
D504	8-719-907-95	DIODE GL5PG523
D507	8-719-815-55	DIODE 1S1555
D508	8-719-815-55	DIODE 1S1555
D509	8-719-815-55	DIODE 1S1555
D510	8-719-815-55	DIODE 1S1555
D511	8-719-815-55	DIODE 1S1555
D701	8-719-815-55	DIODE 1S1555
D702	8-719-815-55	DIODE 1S1555
D703	8-719-815-55	DIODE 1S1555
D704	8-719-815-55	DIODE 1S1555
D801	8-719-910-75	DIODE HZ7B2L
D802	8-719-931-16	DIODE EQB01-16
D803	8-719-922-71	DIODE HZ27-1L
D804	8-719-931-21	DIODE EQA01-21
D805	8-719-931-16	DIODE EQB01-16
D806	8-719-504-00	DIODE S4VB40
D807	8-719-200-02	DIODE 10E2
D908	8-719-200-02	DIODE 10E2
F901 ⚠	1-532-348-00	FUSE
FIP301	1-519-297-00	INDICATOR TUBE, FLUORESCENT

ELECTRICAL PARTS

Ref.No.	Part No.	Description
IC201	8-759-812-35	IC LA1235
IC202	8-759-833-90	IC LA3390
IC203	8-759-617-78	IC CX778A
IC301	8-759-201-73	IC TMP47C21P-3105
IC401	8-759-812-45	IC LA1245
IC501	8-759-600-02	IC M5218L
IC502	8-759-800-33	IC LC7815H
IC503	8-759-307-00	IC CX770A
IC504	8-759-307-00	IC CX770A
IC505	8-759-307-00	IC CX770A
IC601	8-759-600-02	IC M5218L
IC701 ⚠	8-749-930-41	IC STK3041
IC702 ⚠	8-749-921-29	IC STK2129
IFT101 ♦	1-404-363-00	TRANSFORMER, IF
J501	1-507-788-00	JACK, PIN 4P
J502	1-507-788-00	JACK, PIN 4P
J503	1-507-788-00	JACK, PIN 4P
J504	1-507-788-00	JACK, PIN 4P
J507	1-507-769-00	JACK, PIN 6P
J508	1-507-769-00	JACK, PIN 6P
J509	1-507-769-00	JACK, PIN 6P
J510	1-507-888-00	JACK, PIN 2P
J511	1-507-888-00	JACK, PIN 2P
J512	1-507-888-00	JACK, PIN 2P
J513	1-507-888-00	JACK, PIN 2P
J551	1-507-788-00	JACK, PIN 4P
J552	1-507-788-00	JACK, PIN 4P
J553	1-507-788-00	JACK, PIN 4P
J554	1-507-788-00	JACK, PIN 4P
J557	1-507-769-00	JACK, PIN 6P
J558	1-507-769-00	JACK, PIN 6P
J559	1-507-769-00	JACK, PIN 6P
L101 ♦	1-422-078-00	COIL, AIR-CORE
L102 ♦	1-422-080-00	COIL (WITH CORE)
L103 ♦	1-422-077-00	COIL, AIR-CORE
L104 ♦	1-422-081-00	COIL (WITH CORE)
L105 ♦	1-459-396-00	COIL (WITH CORE)
L106 ♦	1-422-039-00	COIL, AIR-CORE
L201	1-408-575-21	MICRO INDUCTOR 100UH
L301	1-408-185-00	MICRO INDUCTOR 15UH
L401	1-408-202-00	MICRO INDUCTOR 390UH
L402	1-408-195-00	MICRO INDUCTOR 100UH
L701 ♦	1-420-872-00	COIL, AIR CORE
L751 ♦	1-420-872-00	COIL, AIR CORE
L901	1-401-887-41	ANTENNE, FERRITE-ROD (MW)
PT901 ⚠	1-447-302-00	TRANSFORMER, POWER

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
Q101	8-729-200-55	TRANSISTOR 2SK241-Y			
Q102	8-729-353-52	TRANSISTOR 2SC535			
Q103	8-729-671-13	TRANSISTOR 2SC710-13			
Q104	8-729-671-13	TRANSISTOR 2SC710-13			
Q201	8-729-671-13	TRANSISTOR 2SC710-13			
Q202	8-729-671-13	TRANSISTOR 2SC710-13			
Q203	8-729-245-83	TRANSISTOR 2SC2458			
Q204	8-729-245-83	TRANSISTOR 2SC2458			
Q205	8-729-665-47	TRANSISTOR 2SC1362			
Q206	8-729-203-04	TRANSISTOR 2SK30A			
Q401	8-729-204-82	TRANSISTOR 2SA1048			
Q402	8-729-245-83	TRANSISTOR 2SC2458			
Q701 ⚠	8-729-204-82	TRANSISTOR 2SA1048			
Q702 ⚠	8-729-281-53	TRANSISTOR 2SC1815-GR			
Q703 ⚠	8-729-245-83	TRANSISTOR 2SC2458			
Q704	8-729-245-83	TRANSISTOR 2SC2458			
Q705	8-729-245-83	TRANSISTOR 2SC2458			
Q706	8-729-245-83	TRANSISTOR 2SC2458			
Q707	8-729-245-83	TRANSISTOR 2SC2458			
Q752	8-729-281-53	TRANSISTOR 2SC1815-GR			
Q801	8-729-245-83	TRANSISTOR 2SC2458			
Q802	8-729-288-02	TRANSISTOR 2SD880			
Q803 ⚠	8-729-245-83	TRANSISTOR 2SC2458			
Q804	8-729-203-04	TRANSISTOR 2SK30A			
Q805	8-729-103-43	TRANSISTOR 2SB734			
Q806	8-729-204-82	TRANSISTOR 2SA1048			
R101	1-247-879-00	CARBON	100K	5%	1/6W
R102	1-247-871-00	CARBON	47K	5%	1/6W
R103	1-247-799-00	CARBON	47	5%	1/6W
R104	1-247-819-00	CARBON	330	5%	1/6W
R105	1-247-879-00	CARBON	100K	5%	1/6W
R106	1-247-901-00	CARBON	820K	5%	1/6W
R107	1-247-807-00	CARBON	100	5%	1/6W
R108	1-247-855-00	CARBON	10K	5%	1/6W
R109	1-247-853-00	CARBON	8.2K	5%	1/6W
R110	1-247-841-00	CARBON	2.7K	5%	1/6W
R111	1-246-501-00	CARBON	15K	5%	1/4W
R112	1-247-893-00	CARBON	390K	5%	1/6W
R113	1-247-807-00	CARBON	100	5%	1/6W
R114	1-247-831-00	CARBON	1K	5%	1/6W
R115	1-247-801-00	CARBON	56	5%	1/6W
R116 ⚠	1-247-109-00	CARBON	120	5%	1/4W F
R201	1-244-945-00	CARBON	1M	5%	1/2W
R202	1-247-887-00	CARBON	220K	5%	1/6W
R203	1-247-889-00	CARBON	270K	5%	1/6W

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- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.
- If there are two or more same circuitsin a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms.
- F : nonflammable

COILS
- MMH : mH, UH : μH

SEMICONDUCTORS
In each case, U : μ, for example:
UA···: μA···, UPA···: μPA···, UPC···: μPC,
UPD···: μPD···

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

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ELECTRICAL PARTS

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R204	1-247-855-00	CARBON	10K	5%	1/6W	
R205	1-247-819-00	CARBON	330	5%	1/6W	
R206	1-247-831-00	CARBON	1K	5%	1/6W	
R207	1-247-855-00	CARBON	10K	5%	1/6W	
R208	1-247-819-00	CARBON	330	5%	1/6W	
R209	1-247-855-00	CARBON	10K	5%	1/6W	
R210	1-247-819-00	CARBON	330	5%	1/6W	
R211	1-247-855-00	CARBON	10K	5%	1/6W	
R212	1-247-873-00	CARBON	56K	5%	1/6W	
R213	1-247-873-00	CARBON	56K	5%	1/6W	
R214 ⚠	1-247-109-00	CARBON	120	5%	1/4W	F
R215	1-247-859-00	CARBON	15K	5%	1/6W	
R216	1-247-873-00	CARBON	56K	5%	1/6W	
R217	1-247-863-00	CARBON	22K	5%	1/6W	
R218	1-247-840-00	CARBON	2.4K	5%	1/6W	
R219	1-247-873-00	CARBON	56K	5%	1/6W	
R220	1-247-831-00	CARBON	1K	5%	1/6W	
R221	1-247-873-00	CARBON	56K	5%	1/6W	
R222	1-247-855-00	CARBON	10K	5%	1/6W	
R223	1-247-891-00	CARBON	330K	5%	1/6W	
R224	1-247-863-00	CARBON	22K	5%	1/6W	
R225 ⚠	1-247-109-00	CARBON	120	5%	1/4W	F
R226	1-247-873-00	CARBON	56K	5%	1/6W	
R227	1-247-879-00	CARBON	100K	5%	1/6W	
R228	1-247-873-00	CARBON	56K	5%	1/6W	
R229	1-247-783-00	CARBON	10	5%	1/6W	
R230	1-247-783-00	CARBON	10	5%	1/6W	
R231	1-247-825-00	CARBON	560	5%	1/6W	
R232	1-247-857-00	CARBON	12K	5%	1/6W	
R233	1-246-465-00	CARBON	470	5%	1/4W	
R234	1-247-879-00	CARBON	100K	5%	1/6W	
R235	1-247-849-00	CARBON	5.6K	5%	1/6W	
R236	1-247-849-00	CARBON	5.6K	5%	1/6W	
R238	1-247-877-00	CARBON	82K	5%	1/6W	
R239	1-247-877-00	CARBON	82K	5%	1/6W	
R240	1-247-851-00	CARBON	6.8K	5%	1/6W	
R241	1-247-851-00	CARBON	6.8K	5%	1/6W	
R242	1-247-863-00	CARBON	22K	5%	1/6W	
R243	1-247-849-00	CARBON	5.6K	5%	1/6W	
R244	1-247-855-00	CARBON	10K	5%	1/6W	
R245	1-247-855-00	CARBON	10K	5%	1/6W	
R246	1-247-855-00	CARBON	10K	5%	1/6W	
R247	1-247-879-00	CARBON	100K	5%	1/6W	
R248	1-247-879-00	CARBON	100K	5%	1/6W	
R249	1-247-879-00	CARBON	100K	5%	1/6W	
R250	1-247-893-00	CARBON	390K	5%	1/6W	
R251	1-247-847-00	CARBON	4.7K	5%	1/6W	

ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R252	1-247-851-00	CARBON	6.8K	5%	1/6W	
R254	1-247-831-00	CARBON	1K	5%	1/6W	
R257	1-247-863-00	CARBON	22K	5%	1/6W	
R258	1-246-493-00	CARBON	6.8K	5%	1/4W	
R259	1-247-871-00	CARBON	47K	5%	1/6W	
R301	1-244-857-00	CARBON	220	5%	1/2W	
R302	1-247-879-00	CARBON	100K	5%	1/6W	
R303	1-247-879-00	CARBON	100K	5%	1/6W	
R304	1-247-879-00	CARBON	100K	5%	1/6W	
R305	1-247-879-00	CARBON	100K	5%	1/6W	
R306	1-247-879-00	CARBON	100K	5%	1/6W	
R307	1-247-879-00	CARBON	100K	5%	1/6W	
R308	1-247-879-00	CARBON	100K	5%	1/6W	
R309	1-247-879-00	CARBON	100K	5%	1/6W	
R310	1-247-879-00	CARBON	100K	5%	1/6W	
R311	1-247-879-00	CARBON	100K	5%	1/6W	
R312	1-247-879-00	CARBON	100K	5%	1/6W	
R313	1-247-879-00	CARBON	100K	5%	1/6W	
R314	1-247-879-00	CARBON	100K	5%	1/6W	
R315	1-247-879-00	CARBON	100K	5%	1/6W	
R316	1-247-879-00	CARBON	100K	5%	1/6W	
R317	1-247-879-00	CARBON	100K	5%	1/6W	
R318 ⚠	1-213-138-00	METAL OXIDE	390	5%	1W	F
R319	1-247-887-00	CARBON	220K	5%	1/6W	
R320	1-247-843-00	CARBON	3.3K	5%	1/6W	
R321	1-247-879-00	CARBON	100K	5%	1/6W	
R322	1-247-879-00	CARBON	100K	5%	1/6W	
R324	1-247-824-00	CARBON	510	5%	1/6W	
R401	1-247-891-00	CARBON	330K	5%	1/6W	
R402	1-247-879-00	CARBON	100K	5%	1/6W	
R403	1-247-839-00	CARBON	2.2K	5%	1/6W	
R404 ⚠	1-247-115-00	CARBON	220	5%	1/4W	F
R405	1-247-823-00	CARBON	470	5%	1/6W	
R406	1-247-855-00	CARBON	10K	5%	1/6W	
R407	1-247-855-00	CARBON	10K	5%	1/6W	
R409	1-247-855-00	CARBON	10K	5%	1/6W	
R410 ⚠	1-247-109-00	CARBON	120	5%	1/4W	F
R412	1-247-855-00	CARBON	10K	5%	1/6W	
R413	1-247-807-00	CARBON	100	5%	1/6W	
R414	1-247-855-00	CARBON	10K	5%	1/6W	
R415	1-247-879-00	CARBON	100K	5%	1/6W	
R416	1-247-831-00	CARBON	1K	5%	1/6W	
R501	1-247-819-00	CARBON	330	5%	1/6W	
R502	1-247-871-00	CARBON	47K	5%	1/6W	
R503	1-247-835-00	CARBON	1.5K	5%	1/6W	
R504	1-247-897-00	CARBON	560K	5%	1/6W	

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- All resistors are in ohms.
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COILS

- MMH : mH, UH : μH

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In each case, U : μ, for example:
UA···: μA···, UPA···: μPA···, UPC···: μPC,
UPD···: μPD···

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ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R505	1-247-855-00	CARBON	10K	5%	1/6W
R506	1-247-897-00	CARBON	560K	5%	1/6W
R507	1-247-835-00	CARBON	1.5K	5%	1/6W
R508	1-247-897-00	CARBON	560K	5%	1/6W
R513	1-247-897-00	CARBON	560K	5%	1/6W
R514	1-247-817-00	CARBON	270	5%	1/6W
R515	1-247-885-00	CARBON	180K	5%	1/6W
R516	1-247-859-00	CARBON	15K	5%	1/6W
R517	1-247-897-00	CARBON	560K	5%	1/6W
R518	1-247-831-00	CARBON	1K	5%	1/6W
R519	1-247-897-00	CARBON	560K	5%	1/6W
R520	1-246-483-00	CARBON	2.7K	5%	1/4W
R523	1-247-879-00	CARBON	100K	5%	1/6W
R524	1-247-887-00	CARBON	220K	5%	1/6W
R525	1-247-879-00	CARBON	100K	5%	1/6W
R526	1-247-879-00	CARBON	100K	5%	1/6W
R527	1-247-879-00	CARBON	100K	5%	1/6W
R528	1-247-879-00	CARBON	100K	5%	1/6W
R530	1-247-835-00	CARBON	1.5K	5%	1/6W
R531	1-247-897-00	CARBON	560K	5%	1/6W
R532	1-247-835-00	CARBON	1.5K	5%	1/6W
R533	1-247-897-00	CARBON	560K	5%	1/6W
R534	1-247-835-00	CARBON	1.5K	5%	1/6W
R535	1-247-897-00	CARBON	560K	5%	1/6W
R536	1-247-879-00	CARBON	100K	5%	1/6W
R537	1-247-879-00	CARBON	100K	5%	1/6W
R538	1-247-879-00	CARBON	100K	5%	1/6W
R539	1-247-879-00	CARBON	100K	5%	1/6W
R540	1-246-471-00	CARBON	820	5%	1/4W
R541	1-246-477-00	CARBON	1.5K	5%	1/4W
R542	1-246-449-00	CARBON	100	5%	1/4W
R543	1-247-887-00	CARBON	220K	5%	1/6W
R544	1-247-887-00	CARBON	220K	5%	1/6W
R545	1-247-887-00	CARBON	220K	5%	1/6W
R546	1-247-887-00	CARBON	220K	5%	1/6W
R551	1-247-819-00	CARBON	330	5%	1/6W
R552	1-247-871-00	CARBON	47K	5%	1/6W
R553	1-247-835-00	CARBON	1.5K	5%	1/6W
R554	1-247-897-00	CARBON	560K	5%	1/6W
R555	1-247-855-00	CARBON	10K	5%	1/6W
R556	1-247-897-00	CARBON	560K	5%	1/6W
R557	1-247-835-00	CARBON	1.5K	5%	1/6W
R558	1-247-897-00	CARBON	560K	5%	1/6W
R563	1-247-897-00	CARBON	560K	5%	1/6W
R564	1-247-817-00	CARBON	270	5%	1/6W

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R565	1-247-885-00	CARBON	180K	5%	1/6W
R566	1-247-859-00	CARBON	15K	5%	1/6W
R567	1-247-897-00	CARBON	560K	5%	1/6W
R568	1-247-831-00	CARBON	1K	5%	1/6W
R569	1-247-897-00	CARBON	560K	5%	1/6W
R570	1-246-483-00	CARBON	2.7K	5%	1/4W
R575	1-247-891-00	CARBON	330K	5%	1/6W
R576	1-247-891-00	CARBON	330K	5%	1/6W
R580	1-247-835-00	CARBON	1.5K	5%	1/6W
R581	1-247-897-00	CARBON	560K	5%	1/6W
R582	1-247-835-00	CARBON	1.5K	5%	1/6W
R583	1-247-897-00	CARBON	560K	5%	1/6W
R584	1-247-835-00	CARBON	1.5K	5%	1/6W
R585	1-247-897-00	CARBON	560K	5%	1/6W
R586	1-246-475-00	CARBON	1.2K	5%	1/4W
R587	1-246-475-00	CARBON	1.2K	5%	1/4W
R601	1-247-839-00	CARBON	2.2K	5%	1/6W
R602	1-247-903-00	CARBON	1M	5%	1/6W
R603	1-247-865-00	CARBON	27K	5%	1/6W
R604	1-247-850-00	CARBON	6.2K	5%	1/6W
R605	1-247-879-00	CARBON	100K	5%	1/6W
R606	1-247-825-00	CARBON	560	5%	1/6W
R607	1-247-848-00	CARBON	5.1K	5%	1/6W
R608	1-247-822-00	CARBON	430	5%	1/6W
R609	1-246-463-00	CARBON	390	5%	1/4W
R610	1-246-493-00	CARBON	6.8K	5%	1/4W
R611	1-246-478-00	CARBON	1.6K	5%	1/4W
R612	1-246-449-00	CARBON	100	5%	1/4W
R651	1-247-839-00	CARBON	2.2K	5%	1/6W
R652	1-247-903-00	CARBON	1M	5%	1/6W
R653	1-247-865-00	CARBON	27K	5%	1/6W
R654	1-247-850-00	CARBON	6.2K	5%	1/6W
R655	1-247-879-00	CARBON	100K	5%	1/6W
R656	1-247-825-00	CARBON	560	5%	1/6W
R657	1-247-848-00	CARBON	5.1K	5%	1/6W
R658	1-246-464-00	CARBON	430	5%	1/4W
R659	1-246-463-00	CARBON	390	5%	1/4W
R660	1-246-493-00	CARBON	6.8K	5%	1/4W
R661	1-246-478-00	CARBON	1.6K	5%	1/4W
R662	1-246-449-00	CARBON	100	5%	1/4W
R701	1-247-831-00	CARBON	1K	5%	1/6W
R702	1-247-867-00	CARBON	33K	5%	1/6W
R703	1-247-823-00	CARBON	470	5%	1/6W
R704	1-247-867-00	CARBON	33K	5%	1/6W
R705 ⚠	1-247-107-00	CARBON	100	5%	1/4W F

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CAPACITORS:
MF:μF, PF:ppF.

RESISTORS
- All resistors are in ohms.
- F : nonflammable

COILS
- MMH : mH, UH : μH

SEMICONDUCTORS
In each case, U : μ, for example:
UA···: μA···, UPA···: μPA···, UPC···: μPC, UPD···: μPD···

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R706	1-246-449-00	CARBON	100	5%	1/4W	
R707 ⚠	1-247-115-00	CARBON	220	5%	1/4W	F
R708 ⚠	1-247-192-00	CARBON	10	5%	1/2W	F
R709	1-244-817-00	CARBON	4.7	5%	1/2W	
R710	1-247-863-00	CARBON	22K	5%	1/6W	
R712 ⚠	1-247-101-00	CARBON	56	5%	1/4W	F
R714	1-246-507-00	CARBON	27K	5%	1/4W	
R715	1-247-879-00	CARBON	100K	5%	1/6W	
R716	1-247-851-00	CARBON	6.8K	5%	1/6W	
R717	1-247-867-00	CARBON	33K	5%	1/6W	
R718	1-247-873-00	CARBON	56K	5%	1/6W	
R719 ⚠	1-244-861-00	CARBON	330	5%	1/2W	
R720	1-247-873-00	CARBON	56K	5%	1/6W	
R726	1-247-863-00	CARBON	22K	5%	1/6W	
R728	1-244-861-00	CARBON	330	5%	1/2W	
R731 ⚠	1-247-091-00	CARBON	22	5%	1/4W	F
R751	1-247-831-00	CARBON	1K	5%	1/6W	
R752	1-247-867-00	CARBON	33K	5%	1/6W	
R753	1-247-823-00	CARBON	470	5%	1/6W	
R754	1-247-867-00	CARBON	33K	5%	1/6W	
R755 ⚠	1-247-107-00	CARBON	100	5%	1/4W	F
R756	1-246-449-00	CARBON	100	5%	1/4W	
R757 ⚠	1-247-115-00	CARBON	220	5%	1/4W	F
R758 ⚠	1-247-192-00	CARBON	10	5%	1/2W	F
R759	1-244-817-00	CARBON	4.7	5%	1/2W	
R776	1-247-863-00	CARBON	22K	5%	1/6W	
R778	1-244-861-00	CARBON	330	5%	1/2W	
R779	1-247-891-00	CARBON	330K	5%	1/6W	
R780	1-247-855-00	CARBON	10K	5%	1/6W	
R781	1-202-725-00	SOLID	3.3M	10%	1/2W	
R801 ⚠	1-247-222-00	CARBON	180	5%	1/2W	F
R802	1-246-481-00	CARBON	2.2K	5%	1/4W	
R805 ⚠	1-206-472-00	METAL OXIDE	24	5%	2W	F
R806	1-246-491-00	CARBON	5.6K	5%	1/4W	
R807	1-246-491-00	CARBON	5.6K	5%	1/4W	
R808 ⚠	1-247-234-00	CARBON	560	5%	1/2W	F
R809	1-246-481-00	CARBON	2.2K	5%	1/4W	
R810 ⚠	1-212-987-00	FUSIBLE	160	5%	1/2W	F
R811 ⚠	1-247-200-00	CARBON	22	5%	1/2W	F
R813 ⚠	1-206-672-00	METAL OXIDE	2.2K	5%	2W	F
R814 ⚠	1-247-079-00	CARBON	4.7	5%	1/4W	F
R815 ⚠	1-247-079-00	CARBON	4.7	5%	1/4W	F
R901 ⚠	1-202-725-00	SOLID	3.3M	10%	1/2W	
RT201	1-226-236-00	RES, ADJ, CARBON 10K				
RT202	1-226-236-00	RES, ADJ, CARBON 10K				
RT203	1-226-238-00	RES, ADJ, CARBON 50K				

ELECTRICAL PARTS

Ref.No.	Part No.	Description
RV601	1-228-613-00	RES, VAR, CARBON 100K/100K, VOLUME/L
RV602	1-230-141-00	RES, VAR, SLIDE 250K, BALANCE
RV603	1-230-140-00	RES, VAR, SLIDE 20K/20K, TREBLE/L
RV604	1-230-140-00	RES, VAR, SLIDE 20K/20K, BASS/L
RV651	1-228-613-00	RES, VAR, CARBON 100K/100K, VOLUME/R
RV653	1-230-140-00	RES, VAR, SLIDE 20K/20K, TREBLE/R
RV654	1-230-140-00	RES, VAR, SLIDE 20K/20K, BASS/R
RY501	1-515-495-00	RELAY
RY701	1-515-503-00	RELAY
S301	1-552-370-00	SWITCH, SLIDE, 9K/10K
S302	1-552-412-00	SWITCH, KEY BOARD, 1
S303	1-552-412-00	SWITCH, KEY BOARD, 2
S304	1-552-412-00	SWITCH, KEY BOARD, 3
S305	1-552-412-00	SWITCH, KEY BOARD, 4
S306	1-552-412-00	SWITCH, KEY BOARD, 5
S307	1-552-412-00	SWITCH, KEY BOARD, 6
S308	1-552-412-00	SWITCH, KEY BOARD, 7
S309	1-552-412-00	SWITCH, KEY BOARD, 8
S310	1-552-412-00	SWITCH, KEY BOARD, 9
S311	1-552-412-00	SWITCH, KEY BOARD, 0
S312	1-552-412-00	SWITCH, KEY BOARD, MEMORY SCAN
S313	1-552-412-00	SWITCH, KEY BOARD, MEMORY
S314	1-552-412-00	SWITCH, KEY BOARD, TUNING/+
S315	1-552-412-00	SWITCH, KEY BOARD, TUNING/-
S316	1-552-412-00	SWITCH, KEY BOARD, FM
S317	1-552-412-00	SWITCH, KEY BOARD, AM
S318	1-552-412-00	SWITCH, KEY BOARD, FM MODE
S501	1-554-573-00	SWITCH, PUSH (1 KEY), VIDEO
S502	1-554-573-00	SWITCH, PUSH (1 KEY), AUDIO DUBBING
S503	1-554-559-00	SWITCH, PUSH (1 KEY), TAPE MONITOR
S505	1-552-412-00	SWITCH, KEY BOARD, PHONO
S506	1-552-412-00	SWITCH, KEY BOARD, AUX
S507	1-552-412-00	SWITCH, KEY BOARD, TUNER
S508	1-552-412-00	SWITCH, KEY BOARD, VIDEO
S601	1-553-975-00	SWITCH, PUSH (1 KEY), LOUNDNESS
S701	1-553-687-00	SWITCH, PUSH (2 KEY), SPEAKER
S901 ⚠	1-553-319-00	SWITCH, PUSH (AC POWER), POWER
T201	1-404-339-00	TRANSFORMER, DISCRIMINATOR
T202	1-404-338-00	TRANSFORMER,DISCRIMINATOR (FM)
T401	1-405-927-00	COIL, MW OSC
T402	1-409-348-00	COIL, MECHANICAL FILTER
TM101	1-536-708-00	TERMINAL BOARD, PUSH 4P, ANTENNA
TM903	1-536-706-00	TERMINAL BOARD (SP), SPEAKER
X201	1-527-731-00	OSCILLATOR, CRYSTAL
X301	1-527-822-00	OSCILLATOR, CERAMIC

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